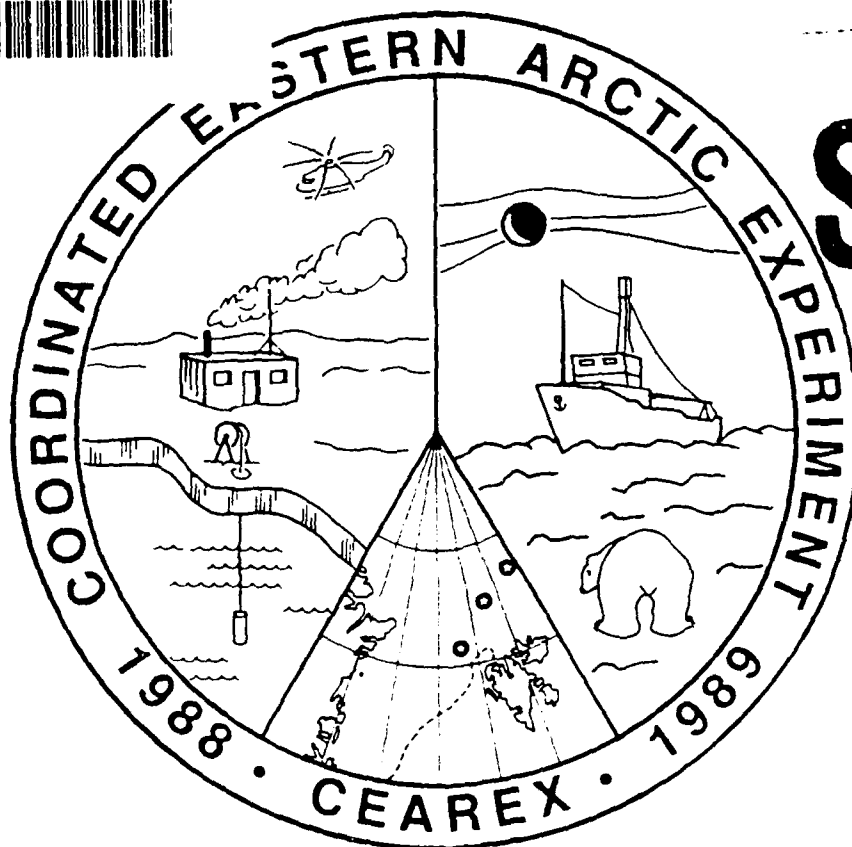


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MICROSTRUCTURE PROFILES DURING CEAREX

by

Laurie Padman
Thomas M. Dillon

Reference 90-2
April 1990
Data Report 150

Office of Naval Research
N00014-87-K-0009
N00014-90-J-1042

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north of the Yermak Plateau, then into the shallower water over the Plateau. This area was known from previous experiments (Fram III, Fram IV, MIZEX '83) to be a very energetic region, in which much of the decay of the Atlantic Water flowing into the Arctic Basin occurs. The various programs at "O" Camp obtained data which will improve our understanding of the decay mechanisms, including the role of topographically enhanced diurnal tides, internal waves, and mixing by ice stress at the surface.

Our component of this project was the direct measurement of microscale velocity shear, temperature and salinity, using the Rapid Sampling Vertical Profiler. These data are used to estimate (a) the rate at which turbulent kinetic energy is dissipated, (b) vertical eddy diffusivities, and (c) vertical fluxes of heat, salt, and momentum. More than 1500 profiles were obtained over a depth range of 0-350 m for the period March 30 to April 24, 1989, including 20 days of continuous operation (more than 1 profile per hour), from April 4 to April 24. The data show both the geographic variability associated with the topography, as well as rapid variations due to high frequency internal waves. Good data was obtained both in the surface layer (mixed by surface stress), and in the pycnocline (mixed by shear instabilities). The results confirm the importance of topographic effects on the decay of the Atlantic Water in this region.

Microstructure Profiles During CEAREX

[Data Report]

by
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ABSTRACT

The Coordinated Eastern Arctic Experiment (CEAREX) was a multi-platform geophysical study covering the period from winter 1988 to spring 1989 in the vicinity of the Yermak Plateau and Fram Strait. The Oceanography ("O") Camp component of CEAREX was designed to study the physical oceanographic conditions from the deep Nansen Basin north of the Yermak Plateau, then into the shallower water over the Plateau. This area was known from previous experiments (Fram III, Fram IV, MIZEX '83) to be a very energetic region, in which much of the decay of the Atlantic Water flowing into the Arctic Basin occurs. The various programs at "O" Camp obtained data which will improve our understanding of the decay mechanisms, including the role of topographically enhanced diurnal tides, internal waves, and mixing by ice stress at the surface.

Our component of this project was the direct measurement of microscale velocity shear, temperature and salinity, using the Rapid Sampling Vertical Profiler. These data are used to estimate (a) the rate at which turbulent kinetic energy is dissipated, (b) vertical eddy diffusivities, and (c) vertical fluxes of heat, salt, and momentum. More than 1500 profiles were obtained over a depth range of 0-350 m for the period March 30 to April 24, 1989, including 20 days of continuous operation (more than 1 profile per hour), from April 4 to April 24. The data show both the geographic variability associated with the topography, as well as rapid variations due to high frequency internal waves. Good data was obtained both in the surface layer (mixed by surface stress), and in the pycnocline (mixed by shear instabilities). The results confirm the importance of topographic effects on the decay of the Atlantic Water in this region.

Acknowledgements

We thank Mike Neeley-Brown for his tireless efforts during the preparation for this experiment, Dennis Barstow for assistance with sensor calibration, Kean Stump for the development of the analysis software, and Jay Simpkins for his dedication to the collection of the microstructure data at "O" Camp. This work was supported by the Office of Naval Research, contracts N00014-87-K-0009 and N00014-90-J-1042.

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INTRODUCTION

During CEAREX (the Coordinated Eastern Arctic Experiment), more than 1500 profiles of temperature, conductivity, and velocity shear microstructure were obtained from the Oceanography ("O") Camp in March and April, 1989, including a 20-day continuous time series from 5 April to 25 April. The camp was established on the drifting pack ice north of the Yermak Plateau, and was carried from deep water (> 4000 m) onto the northern slope, then around the plateau in about 1700 m of water for several days before heading westward across northern Fram Strait (see Section 1).

A: The Experiment

CEAREX was a multi-investigator Arctic oceanographic experiment conducted from several platforms, including the "O" Camp from which the data discussed herein were obtained. Other data from "O" Camp include Acoustic Doppler Current Profiler (ADCP) measurements in the upper several hundred meters, and densely sampled CTD data, as well as water depth and meteorological information. Table 1 lists the other Principal Investigators at "O" Camp.

Approximately 1500 microstructure profiles were made with the Rapid-Sampling Vertical Profiler (RSVP) [Caldwell, *et al.*, 1985; Padman and Dillon, 1987] from March 31 to April 25, 1989, between the surface and a typical maximum profiled depth of 340 m. The cycling time between profiles was usually 15–20 minutes, although the sampling interval was reduced to about 10 minutes over a smaller depth range when energetic mixing events or hydrographically interesting features were observed.

The RSVP (Fig. 1) is a tethered, freefall profiler about 1.4 m long, equipped with sensors for measuring pressure, P , microscale velocity shears, $u_z (\equiv \partial u / \partial z)$ and $v_z (\equiv \partial v / \partial z)$, temperature, T , and conductivity, C . The probe length is a compromise between ease of deployment and resolution of low-wavenumber velocity structure. The average fall rate is about 0.7 ms^{-1} , constrained by a drag element consisting of an annular brush near the rear of the probe during descent, but able to slide towards the RSVP's nose for improved retrieval dynamics. The raw data sampling rate during CEAREX was 256 Hz for all channels. Temperature was measured with a Thermometrics FP07 thermistor, which projects

forward from the probe nose assembly. This thermistor has an approximately flat frequency response to 20 Hz. Conductivity was measured with a Neil Brown Instrument Systems (NBIS) conductivity cell mounted on the side of the probe, 0.15 m above the probe tip. For salinity determination a second Thermometrics FP07 thermistor was mounted adjacent to the conductivity sensor. The NBIS cell has a response length of $O(0.1)$ m [Gregg, *et al.*, 1982], so that at the nominal fall rate the time constant of the conductivity cell is 0.14 s. Post-analysis of the conductivity data indicated a small time varying calibration offset voltage: conductivities have therefore been corrected by comparison with CTD data, kindly provided by J. Morison. Vertically averaged salinity, S , is determined from similarly filtered T and C : the spatial separation of the thermistor and conductivity cell is accounted for by lagging the temperature signal by 0.03 s, about 0.02 m, determined by an empirical search for minimized salinity spiking in a region with low dissipation rates. This lag is consistent with the physical separation of the two sensors. With the optimum lag for T incorporated, the effective resolution for S and density, σ_t , is about 0.2 m. Least significant bit resolutions of the raw (256 Hz) 16-bit records are about $1.5 \times 10^{-4}^\circ\text{C}$ in temperature, and $1.5 \times 10^{-5} \text{ S m}^{-1}$ in conductivity.

Velocity microstructure was measured with two orthogonally mounted airfoil shear sensors on the RSVP's nose. These probes [Osborn and Crawford, 1980] have a spatial resolution of about 0.03 m, sufficient to resolve most of the "universal", or Kolmogorov, shear spectrum for typical oceanic dissipation rates. Estimates of the turbulent kinetic energy dissipation rate, ϵ , were made for approximately 1.4 m depth intervals by integrating the velocity shear spectra in the wavenumber range of 2 to 20 cpm. Assuming isotropy of velocity fluctuations in this wavenumber band,

$$\epsilon = \frac{15}{2} \nu \frac{\overline{(u_z^2 + v_z^2)}}{2} \quad (1)$$

where ν is the kinematic viscosity of seawater, about $1.8 \times 10^{-6} \text{ m}^2 \text{ s}^{-1}$ at these low temperatures. Obvious spikes on the shear channels due to impacts with biota and other particles are edited prior to calculating shear variance: a further check is carried out by comparing the variance, skewness and kurtosis from the two shear probes, and discarding the higher variance if any of the above moments of the shear distribution seem un-realistic.

The noise level based on measured microscale shears in the quietest regions appears to be about 10^{-9} Wkg^{-1} , substantially higher than during AIWEX [Padman and Dillon, 1987]. We believe that this is due to a change in the dynamics of the RSVP, which in CEAREX was an air-filled, pressure-sealed case compared with an oil-filled instrument in AIWEX. The probable result of the latter change, which was compensated for by a reduction in the number and size of drag and buoyancy elements near the instrument's tail, is an increase in motion near the instrumented nose. However, typical dissipation rates in turbulent patches were 10^{+3} times greater than the noise level, so that the mixing processes which contribute most to the time-averaged evolution of the large-scale hydrographic fields are well resolved. The noise level was lowest in regions where the thermal gradients were smallest, notably in the warm, almost isothermal Atlantic layer slab which was sampled at the end of the experiment. This suggests that the shear probes' thermal response, discussed by Osborn and Crawford [1980] and Padman and Dillon [1987], may also contribute to setting the noise level on dissipation rate measurements.

An *upper* limit on fully resolved shear spectra is set by the finite response length scale of the airfoil shear probes. The Kolmogorov shear spectrum contains energy at all scales larger than the Kolmogorov microscale:

$$l_k = (\nu^3/\epsilon)^{1/4} \quad (2)$$

although the spectral peak occurs at wavelengths of about $10l_k$. For $\epsilon = 1 \times 10^{-6} \text{ m}^2\text{s}^{-3}$, l_k is about 0.01 m, and the peak spectral density lies at wavelengths of about 0.1 m. Some correction can be made for the finite response of the shear probes, however in all the data presented in this report, the correction to ϵ is less than 30%, which is less than the potential calibration errors on the probes themselves.

B: Description of Data

The data shown in this report are divided into 5 sections. Section 1 shows the drift track of "O" camp overlaid on the local bathymetry, and provides a table of hourly interpolated camp positions, derived from approximately hourly satellite fixes. The original data was provided by M. McPhee. The bathymetry is based on a chart from Jackson *et al.*

[1984], updated with along-track bathymetry collected during the "O" Camp drift by D. Farmer and D. Menemenlis (Institute of Ocean Sciences, Sidney, B.C., Canada). Section 2 lists the start time of each microstructure profile.

In the third section, we present profiles of temperature, T , salinity S , density, σ_t , and turbulent kinetic energy dissipation rate, ϵ , selected at approximately 4-hour intervals throughout the experiment. Basic features common to all profiles are a surface layer which is almost homogeneous in T , S and σ_t , and a temperature maximum near 250 m which represents the extension of the West Spitzbergen Current into the Arctic Basin. The surface layer has a temperature of about -1.85°C , which is close to the freezing point for the measured salinity of about 34.1–34.2 psu. The Atlantic layer core has a temperature of above 2°C in almost all profiles.

The fourth section presents contour plots of T , S , σ_t and ϵ , with the entire experiment to each page. A 4-hour filter has been applied to this data for plotting clarity. The final section provides the same data at 5 days per page, with a 1-hour temporal filter.

C: References

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- Osborn, T.R. and W.R. Crawford, 1980: An Airfoil Probe for Measuring Turbulent Velocity Fluctuations in Water. In *Air-Sea Interaction: Instruments and Methods*, Plenum Press, New York, 801 pp.
- Padman, L., and T.M. Dillon, 1987: Vertical Heat Fluxes Through the Beaufort Sea Thermohaline Staircase. *J. Geophys. Res.*, **92**, 10799–10806.

Table 1: "O" Camp Principal Investigators

Investigator	Measurements
Colony	Under-ice mapping
Dillon/Padman	Microstructure profiling
Farmer	Acoustic scintillation
Levine/Paulson	Current meter array
	Acoustic Doppler current profiling
	(T,S) array
McPhee	Mixed layer turbulence
	Large-scale Helo CTD
Morison	CTD profiling
	Horizontal (T,S) mapping
Pinkel/Plueddemann	Acoustic Doppler current profiling
Stanton	Acoustic Doppler current profiling
	Microstructure profiling
Wadhams	Ice strain and tilt

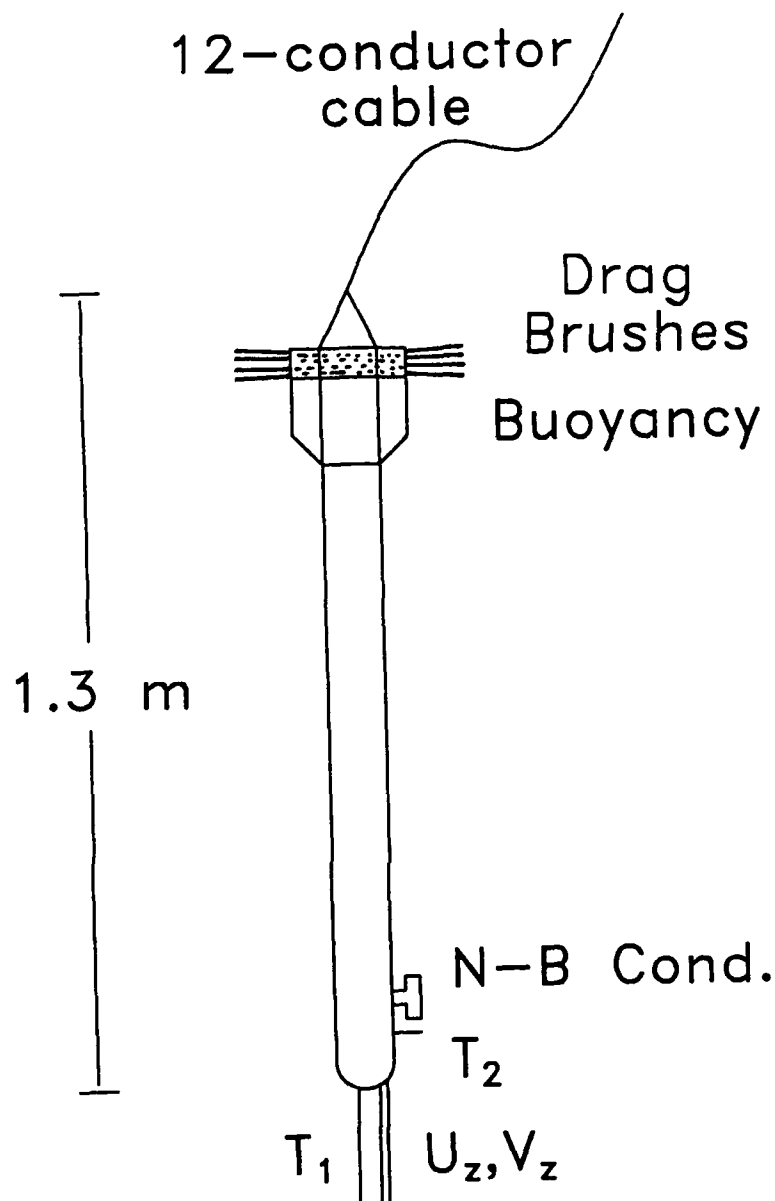


Fig. 1: Schematic of the Rapid-Sampling Vertical Profiler (RSVP). Sensors T_1 and T_2 are Thermometrics FP07 thermistors for temperature; U_z and V_z measure microscale shear; and *N - B Cond.* is a Neil Brown microconductivity cell for salinity determination when used with T_2 . Pressure is also measured near the nose assembly. The RSVP free-falls at about 0.7 ms^{-1} , constrained by the drag brushes. The 12-conductor data link is also the recovery tether.

Section 1:

Navigation and Local Bathymetry

Bathymetry is derived from Jackson, *et al.* [1984] updated with along-track depth soundings provided by D. Farmer and D. Menemenlis (Institute of Ocean Sciences, Sidney, B.C., Canada). Camp navigation is obtained from approximately hourly satellite fixes, interpolated to hourly positions.

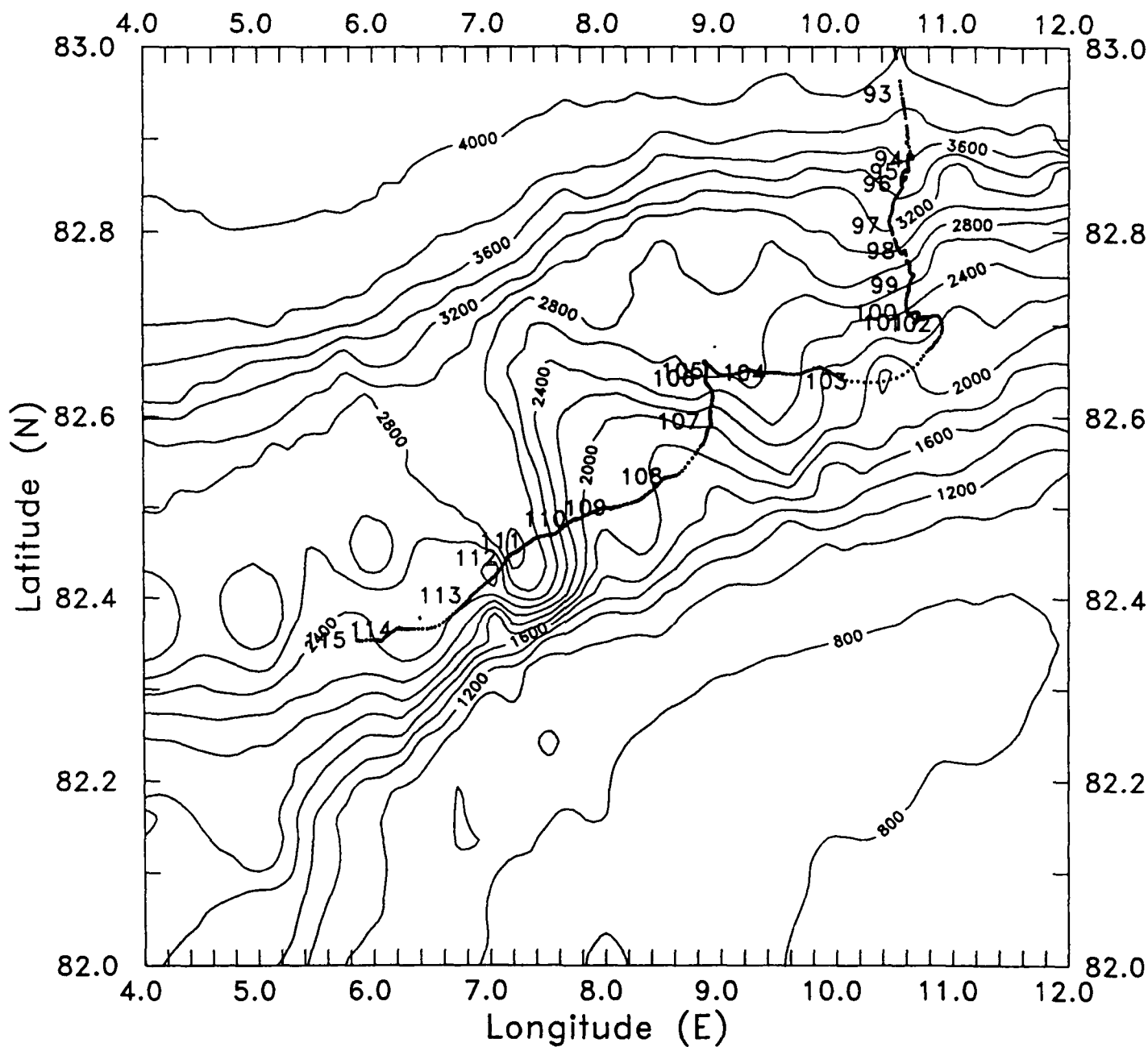


Fig. 1.1: Drift track of CEAREX "O" Camp during April, 1989. Time is given in day-of-year (January 1 = day 1). Depths are in metres, based on Jackson *et al.* [1984], and twice-daily depth soundings during the drift.

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Mar-26	85	0	-99.000	-99.000	Mar-26	85	1	-99.000	-99.000
Mar-26	85	2	-99.000	-99.000	Mar-26	85	3	-99.000	-99.000
Mar-26	85	4	-99.000	-99.000	Mar-26	85	5	-99.000	-99.000
Mar-26	85	6	-99.000	-99.000	Mar-26	85	7	-99.000	-99.000
Mar-26	85	8	-99.000	-99.000	Mar-26	85	9	83.254	10.278
Mar-26	85	10	83.253	10.276	Mar-26	85	11	83.251	10.274
Mar-26	85	12	83.250	10.272	Mar-26	85	13	83.249	10.269
Mar-26	85	14	83.248	10.267	Mar-26	85	15	83.261	10.270
Mar-26	85	16	83.257	10.267	Mar-26	85	17	83.254	10.264
Mar-26	85	18	83.250	10.261	Mar-26	85	19	83.246	10.257
Mar-26	85	20	83.243	10.254	Mar-26	85	21	83.238	10.249
Mar-26	85	22	83.235	10.247	Mar-26	85	23	83.232	10.245
Mar-27	86	0	83.229	10.243	Mar-27	86	1	83.226	10.240
Mar-27	86	2	83.223	10.238	Mar-27	86	3	83.221	10.237
Mar-27	86	4	83.218	10.235	Mar-27	86	5	83.216	10.234
Mar-27	86	6	83.213	10.232	Mar-27	86	7	83.211	10.231
Mar-27	86	8	83.208	10.229	Mar-27	86	9	83.202	10.224
Mar-27	86	10	83.201	10.221	Mar-27	86	11	83.200	10.218
Mar-27	86	12	83.198	10.214	Mar-27	86	13	83.197	10.211
Mar-27	86	14	83.196	10.208	Mar-27	86	15	83.194	10.211
Mar-27	86	16	83.193	10.208	Mar-27	86	17	83.192	10.204
Mar-27	86	18	83.191	10.201	Mar-27	86	19	83.190	10.197
Mar-27	86	20	83.189	10.194	Mar-27	86	21	83.188	10.192
Mar-27	86	22	83.187	10.188	Mar-27	86	23	83.186	10.184
Mar-28	87	0	83.185	10.180	Mar-28	87	1	83.183	10.176
Mar-28	87	2	83.182	10.172	Mar-28	87	3	83.181	10.165
Mar-28	87	4	83.180	10.166	Mar-28	87	5	83.179	10.166
Mar-28	87	6	83.177	10.166	Mar-28	87	7	83.176	10.166
Mar-28	87	8	83.175	10.166	Mar-28	87	9	83.172	10.179
Mar-28	87	10	83.170	10.184	Mar-28	87	11	83.168	10.188
Mar-28	87	12	83.166	10.192	Mar-28	87	13	83.164	10.197
Mar-28	87	14	83.162	10.201	Mar-28	87	15	-99.000	-99.000
Mar-28	87	16	-99.000	-99.000	Mar-28	87	17	-99.000	-99.000
Mar-28	87	18	-99.000	-99.000	Mar-28	87	19	-99.000	-99.000
Mar-28	87	20	-99.000	-99.000	Mar-28	87	21	83.148	10.224
Mar-28	87	22	83.146	10.219	Mar-28	87	23	83.144	10.215
Mar-29	88	0	83.142	10.210	Mar-29	88	1	83.140	10.205
Mar-29	88	2	83.138	10.200	Mar-29	88	3	83.136	10.195
Mar-29	88	4	83.134	10.190	Mar-29	88	5	83.132	10.186
Mar-29	88	6	83.130	10.181	Mar-29	88	7	83.128	10.176
Mar-29	88	8	83.126	10.171	Mar-29	88	9	83.122	10.173
Mar-29	88	10	83.121	10.165	Mar-29	88	11	83.120	10.157
Mar-29	88	12	83.119	10.150	Mar-29	88	13	83.118	10.142
Mar-29	88	14	83.117	10.134	Mar-29	88	15	83.115	10.122
Mar-29	88	16	83.112	10.108	Mar-29	88	17	83.110	10.094
Mar-29	88	18	83.108	10.079	Mar-29	88	19	83.106	10.065
Mar-29	88	20	83.104	10.051	Mar-29	88	21	83.107	10.072
Mar-29	88	22	83.104	10.052	Mar-29	88	23	83.101	10.032
Mar-30	89	0	83.098	10.012	Mar-30	89	1	83.095	9.992
Mar-30	89	2	83.091	9.972	Mar-30	89	3	83.090	9.986

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Mar-30	89	4	83.088	9.975	Mar-30	89	5	83.085	9.965
Mar-30	89	6	83.083	9.954	Mar-30	89	7	83.080	9.944
Mar-30	89	8	83.078	9.934	Mar-30	89	9	83.073	9.890
Mar-30	89	10	83.071	9.889	Mar-30	89	11	83.069	9.889
Mar-30	89	12	83.067	9.888	Mar-30	89	13	83.065	9.887
Mar-30	89	14	83.063	9.887	Mar-30	89	15	83.061	9.886
Mar-30	89	16	83.059	9.885	Mar-30	89	17	83.057	9.885
Mar-30	89	18	83.055	9.884	Mar-30	89	19	83.054	9.884
Mar-30	89	20	83.052	9.883	Mar-30	89	21	83.051	9.880
Mar-30	89	22	83.050	9.879	Mar-30	89	23	83.048	9.878
Mar-31	90	0	83.047	9.877	Mar-31	90	1	83.045	9.876
Mar-31	90	2	83.044	9.875	Mar-31	90	3	83.044	9.891
Mar-31	90	4	83.043	9.893	Mar-31	90	5	83.042	9.895
Mar-31	90	6	83.041	9.897	Mar-31	90	7	83.040	9.899
Mar-31	90	8	83.039	9.901	Mar-31	90	9	83.037	9.888
Mar-31	90	10	83.037	9.897	Mar-31	90	11	83.037	9.906
Mar-31	90	12	83.036	9.916	Mar-31	90	13	83.036	9.925
Mar-31	90	14	83.036	9.934	Mar-31	90	15	83.036	9.944
Mar-31	90	16	83.036	9.953	Mar-31	90	17	83.036	9.962
Mar-31	90	18	83.036	9.972	Mar-31	90	19	83.036	9.981
Mar-31	90	20	83.036	9.990	Mar-31	90	21	83.042	9.981
Mar-31	90	22	83.042	9.988	Mar-31	90	23	83.043	9.995
Apr- 1	91	0	83.044	10.002	Apr- 1	91	1	83.044	10.009
Apr- 1	91	2	83.045	10.016	Apr- 1	91	3	-99.000	-99.000
Apr- 1	91	4	-99.000	-99.000	Apr- 1	91	5	-99.000	-99.000
Apr- 1	91	6	-99.000	-99.000	Apr- 1	91	7	-99.000	-99.000
Apr- 1	91	8	-99.000	-99.000	Apr- 1	91	9	-99.000	-99.000
Apr- 1	91	10	-99.000	-99.000	Apr- 1	91	11	-99.000	-99.000
Apr- 1	91	12	-99.000	-99.000	Apr- 1	91	13	-99.000	-99.000
Apr- 1	91	14	-99.000	-99.000	Apr- 1	91	15	-99.000	-99.000
Apr- 1	91	16	-99.000	-99.000	Apr- 1	91	17	-99.000	-99.000
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Apr- 2	92	4	-99.000	-99.000	Apr- 2	92	5	-99.000	-99.000
Apr- 2	92	6	-99.000	-99.000	Apr- 2	92	7	-99.000	-99.000
Apr- 2	92	8	-99.000	-99.000	Apr- 2	92	9	83.001	10.504
Apr- 2	92	10	82.999	10.508	Apr- 2	92	11	82.996	10.512
Apr- 2	92	12	82.993	10.516	Apr- 2	92	13	82.990	10.520
Apr- 2	92	14	82.988	10.524	Apr- 2	92	15	-99.000	-99.000
Apr- 2	92	16	-99.000	-99.000	Apr- 2	92	17	-99.000	-99.000
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Apr- 2	92	20	-99.000	-99.000	Apr- 2	92	21	82.963	10.556
Apr- 2	92	22	82.958	10.561	Apr- 2	92	23	82.954	10.566
Apr- 3	93	0	82.949	10.571	Apr- 3	93	1	82.944	10.577
Apr- 3	93	2	82.940	10.582	Apr- 3	93	3	82.941	10.582
Apr- 3	93	4	82.937	10.586	Apr- 3	93	5	82.934	10.590
Apr- 3	93	6	82.930	10.594	Apr- 3	93	7	82.927	10.599

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr- 3	93	8	82.923	10.603	Apr- 3	93	9	82.914	10.610
Apr- 3	93	10	82.912	10.612	Apr- 3	93	11	82.910	10.614
Apr- 3	93	12	82.908	10.616	Apr- 3	93	13	82.905	10.618
Apr- 3	93	14	82.903	10.620	Apr- 3	93	15	82.901	10.630
Apr- 3	93	16	82.897	10.616	Apr- 3	93	17	82.896	10.610
Apr- 3	93	18	82.897	10.612	Apr- 3	93	19	82.896	10.621
Apr- 3	93	20	82.892	10.632	Apr- 3	93	21	82.887	10.643
Apr- 3	93	22	82.883	10.655	Apr- 3	93	23	82.881	10.662
Apr- 4	94	0	82.879	10.663	Apr- 4	94	1	82.879	10.659
Apr- 4	94	2	82.879	10.651	Apr- 4	94	3	82.882	10.638
Apr- 4	94	4	82.883	10.631	Apr- 4	94	5	82.883	10.628
Apr- 4	94	6	82.883	10.627	Apr- 4	94	7	82.881	10.628
Apr- 4	94	8	82.880	10.628	Apr- 4	94	9	82.880	10.624
Apr- 4	94	10	82.879	10.625	Apr- 4	94	11	82.878	10.624
Apr- 4	94	12	82.877	10.623	Apr- 4	94	13	82.876	10.621
Apr- 4	94	14	82.875	10.619	Apr- 4	94	15	82.875	10.622
Apr- 4	94	16	82.875	10.620	Apr- 4	94	17	82.875	10.619
Apr- 4	94	18	82.874	10.619	Apr- 4	94	19	82.872	10.620
Apr- 4	94	20	82.871	10.623	Apr- 4	94	21	82.868	10.628
Apr- 4	94	22	82.867	10.629	Apr- 4	94	23	82.866	10.627
Apr- 5	95	0	82.865	10.621	Apr- 5	95	1	82.865	10.612
Apr- 5	95	2	82.865	10.603	Apr- 5	95	3	82.866	10.608
Apr- 5	95	4	82.867	10.601	Apr- 5	95	5	82.866	10.593
Apr- 5	95	6	82.865	10.584	Apr- 5	95	7	82.864	10.576
Apr- 5	95	8	82.861	10.570	Apr- 5	95	9	82.859	10.562
Apr- 5	95	10	82.857	10.562	Apr- 5	95	11	82.856	10.567
Apr- 5	95	12	82.855	10.576	Apr- 5	95	13	82.856	10.588
Apr- 5	95	14	82.857	10.598	Apr- 5	95	15	82.858	10.603
Apr- 5	95	16	82.859	10.607	Apr- 5	95	17	82.859	10.606
Apr- 5	95	18	82.859	10.600	Apr- 5	95	19	82.858	10.591
Apr- 5	95	20	82.857	10.581	Apr- 5	95	21	82.856	10.574
Apr- 5	95	22	82.854	10.568	Apr- 5	95	23	82.853	10.564
Apr- 6	96	0	82.852	10.562	Apr- 6	96	1	82.851	10.563
Apr- 6	96	2	82.850	10.565	Apr- 6	96	3	82.850	10.569
Apr- 6	96	4	82.849	10.571	Apr- 6	96	5	82.848	10.570
Apr- 6	96	6	82.846	10.565	Apr- 6	96	7	82.844	10.556
Apr- 6	96	8	82.842	10.544	Apr- 6	96	9	82.840	10.534
Apr- 6	96	10	82.837	10.522	Apr- 6	96	11	82.835	10.510
Apr- 6	96	12	82.832	10.501	Apr- 6	96	13	82.830	10.495
Apr- 6	96	14	82.829	10.492	Apr- 6	96	15	82.827	10.491
Apr- 6	96	16	82.826	10.491	Apr- 6	96	17	82.824	10.489
Apr- 6	96	18	82.822	10.486	Apr- 6	96	19	82.820	10.481
Apr- 6	96	20	82.817	10.475	Apr- 6	96	21	82.815	10.469
Apr- 6	96	22	82.812	10.466	Apr- 6	96	23	82.810	10.465
Apr- 7	97	0	82.807	10.468	Apr- 7	97	1	82.805	10.474
Apr- 7	97	2	82.804	10.482	Apr- 7	97	3	82.801	10.486
Apr- 7	97	4	82.799	10.490	Apr- 7	97	5	82.798	10.492
Apr- 7	97	6	82.798	10.492	Apr- 7	97	7	82.797	10.491
Apr- 7	97	8	82.797	10.490	Apr- 7	97	9	82.792	10.510
Apr- 7	97	10	82.790	10.515	Apr- 7	97	11	82.789	10.520

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr- 7	97	12	82.787	10.525	Apr- 7	97	13	82.785	10.529
Apr- 7	97	14	82.784	10.534	Apr- 7	97	15	82.783	10.537
Apr- 7	97	16	82.781	10.543	Apr- 7	97	17	82.780	10.550
Apr- 7	97	18	82.779	10.556	Apr- 7	97	19	82.778	10.562
Apr- 7	97	20	82.777	10.568	Apr- 7	97	21	82.777	10.580
Apr- 7	97	22	82.779	10.587	Apr- 7	97	23	82.780	10.594
Apr- 8	98	0	82.780	10.600	Apr- 8	98	1	82.778	10.606
Apr- 8	98	2	82.775	10.612	Apr- 8	98	3	82.769	10.610
Apr- 8	98	4	82.769	10.618	Apr- 8	98	5	82.768	10.626
Apr- 8	98	6	82.768	10.633	Apr- 8	98	7	82.767	10.637
Apr- 8	98	8	82.765	10.640	Apr- 8	98	9	82.764	10.640
Apr- 8	98	10	82.762	10.638	Apr- 8	98	11	82.760	10.636
Apr- 8	98	12	82.759	10.637	Apr- 8	98	13	82.757	10.641
Apr- 8	98	14	82.756	10.647	Apr- 8	98	15	82.755	10.654
Apr- 8	98	16	82.755	10.662	Apr- 8	98	17	82.754	10.669
Apr- 8	98	18	82.754	10.673	Apr- 8	98	19	82.753	10.672
Apr- 8	98	20	82.752	10.667	Apr- 8	98	21	82.750	10.656
Apr- 8	98	22	82.748	10.645	Apr- 8	98	23	82.745	10.636
Apr- 9	99	0	82.743	10.630	Apr- 9	99	1	82.742	10.628
Apr- 9	99	2	82.741	10.628	Apr- 9	99	3	82.740	10.629
Apr- 9	99	4	82.739	10.631	Apr- 9	99	5	82.739	10.633
Apr- 9	99	6	82.738	10.632	Apr- 9	99	7	82.737	10.630
Apr- 9	99	8	82.736	10.626	Apr- 9	99	9	82.734	10.618
Apr- 9	99	10	82.731	10.614	Apr- 9	99	11	82.728	10.611
Apr- 9	99	12	82.725	10.610	Apr- 9	99	13	82.722	10.609
Apr- 9	99	14	82.720	10.610	Apr- 9	99	15	82.718	10.610
Apr- 9	99	16	82.717	10.611	Apr- 9	99	17	82.717	10.613
Apr- 9	99	18	82.717	10.613	Apr- 9	99	19	82.717	10.614
Apr- 9	99	20	82.717	10.615	Apr- 9	99	21	82.717	10.619
Apr- 9	99	22	82.716	10.619	Apr- 9	99	23	82.715	10.619
Apr-10	100	0	82.714	10.620	Apr-10	100	1	82.713	10.623
Apr-10	100	2	82.712	10.630	Apr-10	100	3	82.712	10.639
Apr-10	100	4	82.713	10.650	Apr-10	100	5	82.713	10.664
Apr-10	100	6	82.714	10.680	Apr-10	100	7	82.714	10.696
Apr-10	100	8	82.714	10.709	Apr-10	100	9	82.713	10.718
Apr-10	100	10	82.712	10.720	Apr-10	100	11	82.711	10.719
Apr-10	100	12	82.710	10.715	Apr-10	100	13	82.710	10.710
Apr-10	100	14	82.709	10.706	Apr-10	100	15	82.709	10.704
Apr-10	100	16	82.708	10.703	Apr-10	100	17	82.708	10.704
Apr-10	100	18	82.708	10.707	Apr-10	100	19	82.708	10.710
Apr-10	100	20	82.707	10.711	Apr-10	100	21	82.707	10.711
Apr-10	100	22	82.706	10.707	Apr-10	100	23	82.704	10.700
Apr-11	101	0	82.703	10.691	Apr-11	101	1	82.702	10.682
Apr-11	101	2	82.702	10.676	Apr-11	101	3	82.703	10.675
Apr-11	101	4	82.703	10.681	Apr-11	101	5	82.704	10.692
Apr-11	101	6	82.705	10.705	Apr-11	101	7	82.706	10.718
Apr-11	101	8	82.706	10.730	Apr-11	101	9	82.707	10.737
Apr-11	101	10	82.707	10.745	Apr-11	101	11	82.706	10.751
Apr-11	101	12	82.706	10.754	Apr-11	101	13	82.706	10.756
Apr-11	101	14	82.707	10.760	Apr-11	101	15	82.708	10.768

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr-11	101	16	82.708	10.781	Apr-11	101	17	82.709	10.796
Apr-11	101	18	82.709	10.815	Apr-11	101	19	82.710	10.837
Apr-11	101	20	82.710	10.859	Apr-11	101	21	82.710	10.880
Apr-11	101	22	82.708	10.895	Apr-11	101	23	82.705	10.907
Apr-12	102	0	82.702	10.914	Apr-12	102	1	82.698	10.916
Apr-12	102	2	82.694	10.914	Apr-12	102	3	82.691	10.908
Apr-12	102	4	82.687	10.893	Apr-12	102	5	82.684	10.878
Apr-12	102	6	82.682	10.865	Apr-12	102	7	82.681	10.853
Apr-12	102	8	82.679	10.843	Apr-12	102	9	82.676	10.826
Apr-12	102	10	82.674	10.804	Apr-12	102	11	82.671	10.782
Apr-12	102	12	82.667	10.759	Apr-12	102	13	82.663	10.735
Apr-12	102	14	82.658	10.706	Apr-12	102	15	82.654	10.667
Apr-12	102	16	82.650	10.625	Apr-12	102	17	82.646	10.577
Apr-12	102	18	82.643	10.526	Apr-12	102	19	82.641	10.471
Apr-12	102	20	82.639	10.415	Apr-12	102	21	82.638	10.360
Apr-12	102	22	82.638	10.303	Apr-12	102	23	82.638	10.246
Apr-13	103	0	82.639	10.192	Apr-13	103	1	82.639	10.141
Apr-13	103	2	82.640	10.096	Apr-13	103	3	82.642	10.055
Apr-13	103	4	82.643	10.023	Apr-13	103	5	82.645	9.996
Apr-13	103	6	82.647	9.973	Apr-13	103	7	82.649	9.951
Apr-13	103	8	82.650	9.930	Apr-13	103	9	82.652	9.907
Apr-13	103	10	82.653	9.885	Apr-13	103	11	82.654	9.862
Apr-13	103	12	82.653	9.840	Apr-13	103	13	82.653	9.816
Apr-13	103	14	82.651	9.790	Apr-13	103	15	82.650	9.762
Apr-13	103	16	82.649	9.735	Apr-13	103	17	82.647	9.706
Apr-13	103	18	82.647	9.675	Apr-13	103	19	82.646	9.642
Apr-13	103	20	82.647	9.609	Apr-13	103	21	82.647	9.575
Apr-13	103	22	82.647	9.543	Apr-13	103	23	82.648	9.513
Apr-14	104	0	82.648	9.486	Apr-14	104	1	82.648	9.462
Apr-14	104	2	82.648	9.439	Apr-14	104	3	82.648	9.416
Apr-14	104	4	82.648	9.394	Apr-14	104	5	82.648	9.374
Apr-14	104	6	82.648	9.354	Apr-14	104	7	82.648	9.335
Apr-14	104	8	82.649	9.318	Apr-14	104	9	82.649	9.302
Apr-14	104	10	82.650	9.288	Apr-14	104	11	82.650	9.274
Apr-14	104	12	82.651	9.260	Apr-14	104	13	82.651	9.243
Apr-14	104	14	82.650	9.223	Apr-14	104	15	82.649	9.199
Apr-14	104	16	82.648	9.174	Apr-14	104	17	82.647	9.145
Apr-14	104	18	82.646	9.114	Apr-14	104	19	82.645	9.082
Apr-14	104	20	82.645	9.050	Apr-14	104	21	82.645	9.021
Apr-14	104	22	82.646	8.996	Apr-14	104	23	82.648	8.975
Apr-15	105	0	82.650	8.958	Apr-15	105	1	82.652	8.943
Apr-15	105	2	82.654	8.930	Apr-15	105	3	82.655	8.917
Apr-15	105	4	82.656	8.908	Apr-15	105	5	82.657	8.899
Apr-15	105	6	82.657	8.890	Apr-15	105	7	82.658	8.881
Apr-15	105	8	82.658	8.874	Apr-15	105	9	82.659	8.871
Apr-15	105	10	82.660	8.873	Apr-15	105	11	82.660	8.876
Apr-15	105	12	82.660	8.881	Apr-15	105	13	82.659	8.885
Apr-15	105	14	82.658	8.889	Apr-15	105	15	82.656	8.889
Apr-15	105	16	82.654	8.891	Apr-15	105	17	82.651	8.892
Apr-15	105	18	82.649	8.891	Apr-15	105	19	82.647	8.889

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr-15	105	20	82.645	8.887	Apr-15	105	21	82.644	8.887
Apr-15	105	22	82.643	8.887	Apr-15	105	23	82.643	8.886
Apr-16	106	0	82.642	8.884	Apr-16	106	1	82.642	8.882
Apr-16	106	2	82.641	8.880	Apr-16	106	3	82.641	8.881
Apr-16	106	4	82.640	8.882	Apr-16	106	5	82.639	8.882
Apr-16	106	6	82.638	8.884	Apr-16	106	7	82.637	8.887
Apr-16	106	8	82.636	8.892	Apr-16	106	9	82.635	8.896
Apr-16	106	10	82.634	8.905	Apr-16	106	11	82.632	8.915
Apr-16	106	12	82.630	8.925	Apr-16	106	13	82.628	8.934
Apr-16	106	14	82.625	8.939	Apr-16	106	15	82.623	8.943
Apr-16	106	16	82.620	8.942	Apr-16	106	17	82.617	8.937
Apr-16	106	18	82.613	8.932	Apr-16	106	19	82.610	8.927
Apr-16	106	20	82.606	8.924	Apr-16	106	21	82.603	8.924
Apr-16	106	22	82.600	8.923	Apr-16	106	23	82.597	8.924
Apr-17	107	0	82.595	8.925	Apr-17	107	1	82.594	8.927
Apr-17	107	2	82.592	8.928	Apr-17	107	3	82.591	8.931
Apr-17	107	4	82.589	8.924	Apr-17	107	5	82.588	8.914
Apr-17	107	6	82.586	8.905	Apr-17	107	7	82.584	8.897
Apr-17	107	8	82.582	8.892	Apr-17	107	9	82.580	8.890
Apr-17	107	10	82.578	8.885	Apr-17	107	11	82.576	8.882
Apr-17	107	12	82.574	8.877	Apr-17	107	13	82.572	8.869
Apr-17	107	14	82.569	8.857	Apr-17	107	15	82.567	8.836
Apr-17	107	16	82.563	8.816	Apr-17	107	17	82.559	8.792
Apr-17	107	18	82.554	8.765	Apr-17	107	19	82.549	8.737
Apr-17	107	20	82.544	8.709	Apr-17	107	21	82.540	8.683
Apr-17	107	22	82.537	8.655	Apr-17	107	23	82.535	8.628
Apr-18	108	0	82.534	8.603	Apr-18	108	1	82.533	8.580
Apr-18	108	2	82.533	8.561	Apr-18	108	3	82.532	8.541
Apr-18	108	4	82.532	8.528	Apr-18	108	5	82.531	8.515
Apr-18	108	6	82.529	8.500	Apr-18	108	7	82.526	8.483
Apr-18	108	8	82.523	8.462	Apr-18	108	9	82.521	8.437
Apr-18	108	10	82.518	8.413	Apr-18	108	11	82.516	8.391
Apr-18	108	12	82.514	8.373	Apr-18	108	13	82.513	8.358
Apr-18	108	14	82.511	8.346	Apr-18	108	15	82.510	8.330
Apr-18	108	16	82.509	8.320	Apr-18	108	17	82.508	8.309
Apr-18	108	18	82.507	8.292	Apr-18	108	19	82.506	8.269
Apr-18	108	20	82.505	8.240	Apr-18	108	21	82.504	8.205
Apr-18	108	22	82.503	8.172	Apr-18	108	23	82.501	8.140
Apr-19	109	0	82.500	8.112	Apr-19	109	1	82.500	8.091
Apr-19	109	2	82.499	8.075	Apr-19	109	3	82.499	8.067
Apr-19	109	4	82.498	8.058	Apr-19	109	5	82.499	8.050
Apr-19	109	6	82.499	8.040	Apr-19	109	7	82.499	8.028
Apr-19	109	8	82.499	8.013	Apr-19	109	9	82.500	8.000
Apr-19	109	10	82.499	7.983	Apr-19	109	11	82.498	7.964
Apr-19	109	12	82.497	7.946	Apr-19	109	13	82.496	7.930
Apr-19	109	14	82.495	7.917	Apr-19	109	15	82.495	7.914
Apr-19	109	16	82.495	7.904	Apr-19	109	17	82.494	7.890
Apr-19	109	18	82.493	7.874	Apr-19	109	19	82.492	7.854
Apr-19	109	20	82.491	7.833	Apr-19	109	21	82.489	7.810
Apr-19	109	22	82.488	7.790	Apr-19	109	23	82.487	7.772

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr-20	110	0	82.487	7.760	Apr-20	110	1	82.487	7.752
Apr-20	110	2	82.487	7.748	Apr-20	110	3	82.487	7.744
Apr-20	110	4	82.487	7.738	Apr-20	110	5	82.486	7.730
Apr-20	110	6	82.485	7.717	Apr-20	110	7	82.484	7.701
Apr-20	110	8	82.482	7.681	Apr-20	110	9	82.479	7.659
Apr-20	110	10	82.476	7.635	Apr-20	110	11	82.474	7.613
Apr-20	110	12	82.472	7.592	Apr-20	110	13	82.470	7.573
Apr-20	110	14	82.470	7.556	Apr-20	110	15	82.469	7.539
Apr-20	110	16	82.469	7.522	Apr-20	110	17	82.469	7.503
Apr-20	110	18	82.468	7.482	Apr-20	110	19	82.468	7.460
Apr-20	110	20	82.467	7.437	Apr-20	110	21	82.466	7.412
Apr-20	110	22	82.465	7.393	Apr-20	110	23	82.464	7.379
Apr-21	111	0	82.463	7.371	Apr-21	111	1	82.463	7.366
Apr-21	111	2	82.462	7.364	Apr-21	111	3	82.462	7.360
Apr-21	111	4	82.462	7.356	Apr-21	111	5	82.461	7.349
Apr-21	111	6	82.460	7.339	Apr-21	111	7	82.459	7.325
Apr-21	111	8	82.458	7.310	Apr-21	111	9	82.457	7.295
Apr-21	111	10	82.455	7.281	Apr-21	111	11	82.454	7.269
Apr-21	111	12	82.453	7.259	Apr-21	111	13	82.452	7.252
Apr-21	111	14	82.452	7.246	Apr-21	111	15	82.451	7.240
Apr-21	111	16	82.451	7.234	Apr-21	111	17	82.450	7.226
Apr-21	111	18	82.450	7.215	Apr-21	111	19	82.449	7.203
Apr-21	111	20	82.448	7.189	Apr-21	111	21	82.446	7.178
Apr-21	111	22	82.445	7.167	Apr-21	111	23	82.444	7.158
Apr-22	112	0	82.444	7.153	Apr-22	112	1	82.444	7.151
Apr-22	112	2	82.444	7.152	Apr-22	112	3	82.444	7.155
Apr-22	112	4	82.444	7.155	Apr-22	112	5	82.444	7.153
Apr-22	112	6	82.443	7.149	Apr-22	112	7	82.441	7.142
Apr-22	112	8	82.439	7.133	Apr-22	112	9	82.437	7.123
Apr-22	112	10	82.434	7.109	Apr-22	112	11	82.431	7.096
Apr-22	112	12	82.429	7.082	Apr-22	112	13	82.427	7.069
Apr-22	112	14	82.425	7.055	Apr-22	112	15	82.423	7.039
Apr-22	112	16	82.421	7.021	Apr-22	112	17	82.419	7.001
Apr-22	112	18	82.417	6.979	Apr-22	112	19	82.415	6.956
Apr-22	112	20	82.412	6.933	Apr-22	112	21	82.410	6.908
Apr-22	112	22	82.407	6.885	Apr-22	112	23	82.405	6.864
Apr-23	113	0	82.403	6.847	Apr-23	113	1	82.401	6.833
Apr-23	113	2	82.399	6.822	Apr-23	113	3	82.397	6.811
Apr-23	113	4	82.396	6.797	Apr-23	113	5	82.394	6.782
Apr-23	113	6	82.392	6.766	Apr-23	113	7	82.390	6.749
Apr-23	113	8	82.388	6.729	Apr-23	113	9	82.385	6.707
Apr-23	113	10	82.382	6.683	Apr-23	113	11	82.379	6.657
Apr-23	113	12	82.376	6.630	Apr-23	113	13	82.373	6.600
Apr-23	113	14	82.370	6.569	Apr-23	113	15	82.368	6.535
Apr-23	113	16	82.367	6.501	Apr-23	113	17	82.366	6.466
Apr-23	113	18	82.366	6.429	Apr-23	113	19	82.366	6.393
Apr-23	113	20	82.366	6.357	Apr-23	113	21	82.366	6.323
Apr-23	113	22	82.366	6.294	Apr-23	113	23	82.366	6.271
Apr-24	114	0	82.366	6.255	Apr-24	114	1	82.366	6.244
Apr-24	114	2	82.366	6.236	Apr-24	114	3	82.366	6.232

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr-24	114	4	82.367	6.227	Apr-24	114	5	82.366	6.218
Apr-24	114	6	82.366	6.204	Apr-24	114	7	82.364	6.184
Apr-24	114	8	82.362	6.162	Apr-24	114	9	82.360	6.138
Apr-24	114	10	82.358	6.116	Apr-24	114	11	82.356	6.099
Apr-24	114	12	82.354	6.086	Apr-24	114	13	82.353	6.075
Apr-24	114	14	82.353	6.066	Apr-24	114	15	82.353	6.056
Apr-24	114	16	82.354	6.046	Apr-24	114	17	82.354	6.031
Apr-24	114	18	82.354	6.008	Apr-24	114	19	82.354	5.978
Apr-24	114	20	82.354	5.944	Apr-24	114	21	82.353	5.909
Apr-24	114	22	82.353	5.884	Apr-24	114	23	82.354	5.867
Apr-25	115	0	82.354	5.860	Apr-25	115	1	82.355	5.862
Apr-25	115	2	82.357	5.871	Apr-25	115	3	82.358	5.885
Apr-25	115	4	82.359	5.896	Apr-25	115	5	82.359	5.902
Apr-25	115	6	82.360	5.903	Apr-25	115	7	82.359	5.899
Apr-25	115	8	82.359	5.893	Apr-25	115	9	82.358	5.885
Apr-25	115	10	82.356	5.877	Apr-25	115	11	82.353	5.870
Apr-25	115	12	82.350	5.865	Apr-25	115	13	82.347	5.859
Apr-25	115	14	82.344	5.849	Apr-25	115	15	82.341	5.830
Apr-25	115	16	82.339	5.807	Apr-25	115	17	82.337	5.777
Apr-25	115	18	82.336	5.744	Apr-25	115	19	82.335	5.708
Apr-25	115	20	82.334	5.674	Apr-25	115	21	82.333	5.650
Apr-25	115	22	82.331	5.625	Apr-25	115	23	82.328	5.604
Apr-26	116	0	82.326	5.590	Apr-26	116	1	82.324	5.581
Apr-26	116	2	82.323	5.577	Apr-26	116	3	82.322	5.578
Apr-26	116	4	82.321	5.580	Apr-26	116	5	82.320	5.581
Apr-26	116	6	82.320	5.578	Apr-26	116	7	82.319	5.572
Apr-26	116	8	82.318	5.562	Apr-26	116	9	82.317	5.554
Apr-26	116	10	82.314	5.538	Apr-26	116	11	82.312	5.520
Apr-26	116	12	82.309	5.503	Apr-26	116	13	82.307	5.487
Apr-26	116	14	82.305	5.473	Apr-26	116	15	82.304	5.459
Apr-26	116	16	82.303	5.438	Apr-26	116	17	82.302	5.412
Apr-26	116	18	82.301	5.380	Apr-26	116	19	82.299	5.344
Apr-26	116	20	82.298	5.306	Apr-26	116	21	82.297	5.270
Apr-26	116	22	82.295	5.234	Apr-26	116	23	82.294	5.203
Apr-27	117	0	82.294	5.179	Apr-27	117	1	82.293	5.160
Apr-27	117	2	82.293	5.145	Apr-27	117	3	82.294	5.130
Apr-27	117	4	82.293	5.114	Apr-27	117	5	82.292	5.097
Apr-27	117	6	82.291	5.077	Apr-27	117	7	82.290	5.052
Apr-27	117	8	82.288	5.023	Apr-27	117	9	82.286	4.991
Apr-27	117	10	82.283	4.953	Apr-27	117	11	82.280	4.913
Apr-27	117	12	82.276	4.871	Apr-27	117	13	82.272	4.827
Apr-27	117	14	82.268	4.783	Apr-27	117	15	82.264	4.737
Apr-27	117	16	82.258	4.693	Apr-27	117	17	82.251	4.648
Apr-27	117	18	82.244	4.602	Apr-27	117	19	82.237	4.554
Apr-27	117	20	82.230	4.506	Apr-27	117	21	82.223	4.457
Apr-27	117	22	82.215	4.416	Apr-27	117	23	82.207	4.382
Apr-28	118	0	82.198	4.356	Apr-28	118	1	82.190	4.335
Apr-28	118	2	82.181	4.321	Apr-28	118	3	82.172	4.308
Apr-28	118	4	82.163	4.309	Apr-28	118	5	82.154	4.312
Apr-28	118	6	82.145	4.313	Apr-28	118	7	82.137	4.311

Date	Day	hr	Latitude	Longitude	Date	Day	hr	Latitude	Longitude
Apr-28	118	8	82.128	4.307	Apr-28	118	9	82.119	4.307
Apr-28	118	10	82.112	4.308	Apr-28	118	11	82.104	4.309
Apr-28	118	12	82.096	4.313	Apr-28	118	13	82.087	4.320
Apr-28	118	14	82.078	4.330	Apr-28	118	15	82.070	4.344
Apr-28	118	16	82.063	4.357	Apr-28	118	17	82.056	4.367
Apr-28	118	18	82.050	4.373	Apr-28	118	19	82.045	4.376
Apr-28	118	20	82.041	4.374	Apr-28	118	21	82.040	4.364
Apr-28	118	22	82.039	4.359	Apr-28	118	23	82.037	4.359
Apr-29	119	0	82.035	4.368	Apr-29	119	1	82.032	4.386
Apr-29	119	2	82.029	4.412	Apr-29	119	3	82.050	4.531
Apr-29	119	4	82.051	4.558	Apr-29	119	5	82.053	4.584
Apr-29	119	6	82.054	4.611	Apr-29	119	7	82.055	4.637
Apr-29	119	8	82.057	4.664	Apr-29	119	9	82.054	4.620
Apr-29	119	10	82.057	4.664	Apr-29	119	11	82.059	4.707
Apr-29	119	12	82.061	4.751	Apr-29	119	13	82.064	4.795
Apr-29	119	14	82.066	4.838	Apr-29	119	15	82.069	4.882
Apr-29	119	16	82.071	4.926	Apr-29	119	17	82.073	4.970
Apr-29	119	18	82.076	5.013	Apr-29	119	19	82.078	5.057
Apr-29	119	20	82.080	5.101	Apr-29	119	21	82.080	5.008
Apr-29	119	22	82.081	5.018	Apr-29	119	23	82.083	5.027

Section 2:

Start Times for RSVP Profiles

An asterisk after the file name indicates that the profile should not be used for analyses without being thoroughly checked. It is also used to mark drops which were aborted early through equipment failure. A 'C' after the file name indicates that the conductivity data is unreliable.

drop #	date	day time (hhmm)
crx00021	Mar-31	090 1648
crx00023*	Mar-31	090 1715
crx00025	Mar-31	090 1737
crx00027	Mar-31	090 1807
crx00029	Mar-31	090 1831
crx00031	Mar-31	090 1906
crx00033	Mar-31	090 1922
crx00035	Mar-31	090 1948
crx00037	Mar-31	090 2011
crx00039	Mar-31	090 2041
crx00041	Mar-31	090 2107
crx00043	Mar-31	090 2151
crx00045	Mar-31	090 2213
crx00047	Mar-31	090 2237
crx00049	Apr-01	091 0002
crx00051	Apr-01	091 0024
crx00053	Apr-01	091 0047
crx00055	Apr-01	091 0112
crx00057	Apr-01	091 0141
crx00059	Apr-01	091 0205
crx00061	Apr-01	091 0242
crx00063	Apr-01	091 0305
crx00065	Apr-01	091 0330
crx00067*	Apr-01	091
crx00069	Apr-01	091 0424
crx00071	Apr-01	091 0450
crx00073	Apr-01	091 0524
crx00075	Apr-01	091 0557
crx00077	Apr-01	091 0650
crx00079	Apr-01	091 0752
crx00081C	Apr-01	091 0909
crx00083	Apr-01	091 0953
crx00085*	Apr-01	091
crx00087	Apr-01	091 1041
crx00089*	Apr-01	091 1109
crx00091	Apr-01	091 1130
crx00093	Apr-01	091 1225
crx00095	Apr-01	091 1309
crx00097	Apr-01	091 1334
crx00099*	Apr-01	091
crx00101	Apr-01	091 1426
crx00103	Apr-01	091 1500
crx00105	Apr-01	091 1532
crx00107	Apr-01	091 1559
crx00109	Apr-01	091 1625
crx00111	Apr-01	091 1650
crx00113	Apr-01	091 1716
crx00115	Apr-01	091 1743
crx00117*	Apr-01	091 1904
crx00119	Apr-01	091 1930

drop #	date	day time (hhmm)
crx00022	Mar-31	090 1659
crx00024	Mar-31	090 1718
crx00026	Mar-31	090 1753
crx00028	Mar-31	090 1819
crx00030	Mar-31	090 1841
crx00032*	Mar-31	090 1911
crx00034*	Mar-31	090 1941
crx00036	Mar-31	090 2000
crx00038	Mar-31	090 2024
crx00040	Mar-31	090 2057
crx00042	Mar-31	090 2119
crx00044	Mar-31	090 2203
crx00046	Mar-31	090 2224
crx00048	Mar-31	090 2310
crx00050	Apr-01	091 0013
crx00052	Apr-01	091 0036
crx00054	Apr-01	091 0059
crx00056	Apr-01	091 0123
crx00058	Apr-01	091 0153
crx00060	Apr-01	091 0226
crx00062	Apr-01	091 0253
crx00064	Apr-01	091 0318
crx00066	Apr-01	091 0349
crx00068	Apr-01	091 0405
crx00070	Apr-01	091 0439
crx00072	Apr-01	091 0506
crx00074	Apr-01	091 0541
crx00076	Apr-01	091 0611
crx00078	Apr-01	091 0709
crx00080	Apr-01	091 0802
crx00082	Apr-01	091 0937
crx00084	Apr-01	091 1007
crx00086	Apr-01	091 1024
crx00088	Apr-01	091 1056
crx00090*	Apr-01	091 1116
crx00092	Apr-01	091 1200
crx00094	Apr-01	091 1255
crx00096	Apr-01	091 1322
crx00098	Apr-01	091 1347
crx00100	Apr-01	091 1408
crx00102	Apr-01	091 1445
crx00104	Apr-01	091 1517
crx00106	Apr-01	091 1546
crx00108	Apr-01	091 1612
crx00110	Apr-01	091 1638
crx00112	Apr-01	091 1703
crx00114	Apr-01	091 1730
crx00116	Apr-01	091 1845
crx00118	Apr-01	091 1917
crx00120	Apr-01	091 1943

drop #	date	day	time (hhmm)
crx00121*	Apr-01	091	2001
crx00123	Apr-01	091	2040
crx00125	Apr-01	091	2121
crx00127*	Apr-01	091	
crx00129*	Apr-02	092	0938
crx00131*	Apr-02	092	1229
crx00133	Apr-02	092	1318
crx00135	Apr-02	092	1733
crx00137	Apr-02	092	1837
crx00139	Apr-02	092	2003
crx00141	Apr-02	092	2029
crx00143	Apr-02	092	2051
crx00145	Apr-02	092	2114
crx00147	Apr-02	092	2138
crx00149	Apr-02	092	2202
crx00151	Apr-02	092	2223
crx00153	Apr-02	092	2242
crx00155	Apr-02	092	2254
crx00157	Apr-03	093	0940
crx00159	Apr-03	093	1002
crx00161	Apr-03	093	1032
crx00163	Apr-03	093	1105
crx00165	Apr-03	093	1128
crx00167	Apr-03	093	1151
crx00169	Apr-03	093	1211
crx00171	Apr-03	093	1233
crx00173	Apr-03	093	1344
crx00175C	Apr-03	093	1402
crx00177	Apr-03	093	1424
crx00179	Apr-03	093	1445
crx00181	Apr-03	093	1506
crx00183	Apr-03	093	1532
crx00185	Apr-03	093	1554
crx00187	Apr-03	093	1615
crx00189	Apr-03	093	1640
crx00191	Apr-03	093	1701
crx00193	Apr-03	093	1736
crx00195*	Apr-03	093	1812
crx00197	Apr-03	093	2145
crx00199*	Apr-04	094	1022
crx00201	Apr-04	094	1102
crx00203	Apr-04	094	1354
crx00205	Apr-04	094	1432
crx00207	Apr-04	094	1514
crx00209	Apr-04	094	1620
crx00211	Apr-04	094	1701
crx00213	Apr-04	094	1743
crx00215	Apr-04	094	1835
crx00217	Apr-04	094	1913
crx00219	Apr-04	094	2004

drop #	date	day	time (hhmm)
crx00122	Apr-01	091	2028
crx00124	Apr-01	091	2053
crx00126	Apr-01	091	2134
crx00128*	Apr-01	091	2338
crx00130*	Apr-02	092	1220
crx00132	Apr-02	092	1301
crx00134*	Apr-02	092	1721
crx00136	Apr-02	092	1821
crx00138	Apr-02	092	1939
crx00140	Apr-02	092	2019
crx00142	Apr-02	092	2040
crx00144	Apr-02	092	2101
crx00146	Apr-02	092	2123
crx00148	Apr-02	092	2150
crx00150	Apr-02	092	2215
crx00152	Apr-02	092	2232
crx00154*	Apr-02	092	2251
crx00156	Apr-03	093	0829
crx00158	Apr-03	093	0951
crx00160	Apr-03	093	1015
crx00162	Apr-03	093	1048
crx00164	Apr-03	093	1117
crx00166	Apr-03	093	1139
crx00168	Apr-03	093	1202
crx00170	Apr-03	093	1221
crx00172	Apr-03	093	1334
crx00174*	Apr-03	093	1400
crx00176	Apr-03	093	1414
crx00178	Apr-03	093	1435
crx00180	Apr-03	093	1455
crx00182	Apr-03	093	1521
crx00184	Apr-03	093	1543
crx00186	Apr-03	093	1604
crx00188	Apr-03	093	1627
crx00190	Apr-03	093	1651
crx00192	Apr-03	093	1714
crx00194	Apr-03	093	1752
crx00196C	Apr-03	093	2124
crx00198C	Apr-04	094	0801
crx00200	Apr-04	094	1056
crx00202	Apr-04	094	1242
crx00204	Apr-04	094	1409
crx00206	Apr-04	094	1450
crx00208	Apr-04	094	1555
crx00210	Apr-04	094	1642
crx00212	Apr-04	094	1719
crx00214	Apr-04	094	1809
crx00216	Apr-04	094	1853
crx00218	Apr-04	094	1942
crx00220	Apr-04	094	2021

drop #	date	day	time (hhmm)	drop #	date	day	time (hhmm)
crx00221	Apr-04	094	2038	crx00222	Apr-04	094	2056
crx00223	Apr-04	094	2115	crx00224	Apr-04	094	2203
crx00225	Apr-04	094	2221	crx00226	Apr-04	094	2240
crx00227	Apr-04	094	2258	crx00228	Apr-04	094	2316
crx00229	Apr-04	094	2332	crx00230	Apr-04	094	2350
crx00231	Apr-05	095	0007	crx00232	Apr-05	095	0044
crx00233	Apr-05	095	0100	crx00234	Apr-05	095	0115
crx00235	Apr-05	095	0145	crx00236*	Apr-05	095	0215
crx00237	Apr-05	095	0222	crx00238	Apr-05	095	0245
crx00239	Apr-05	095	0315	crx00240	Apr-05	095	0345
crx00241	Apr-05	095	0415	crx00242	Apr-05	095	0431
crx00243	Apr-05	095	0447	crx00244	Apr-05	095	0515
crx00245	Apr-05	095	0530	crx00246	Apr-05	095	0545
crx00247	Apr-05	095	0602	crx00248	Apr-05	095	0627
crx00249	Apr-05	095	0642	crx00250	Apr-05	095	0807
crx00251	Apr-05	095	0825	crx00252	Apr-05	095	0840
crx00253	Apr-05	095	0903	crx00254	Apr-05	095	0917
crx00255	Apr-05	095	0936	crx00256	Apr-05	095	0953
crx00257	Apr-05	095	1017	crx00258	Apr-05	095	1033
crx00259	Apr-05	095	1057	crx00260	Apr-05	095	1116
crx00261	Apr-05	095	1133	crx00262	Apr-05	095	1148
crx00263	Apr-05	095	1207	crx00264	Apr-05	095	1224
crx00265	Apr-05	095	1239	crx00266	Apr-05	095	1253
crx00267	Apr-05	095	1317	crx00268	Apr-05	095	1330
crx00269	Apr-05	095	1343	crx00270	Apr-05	095	1354
crx00271	Apr-05	095	1405	crx00272	Apr-05	095	1415
crx00273	Apr-05	095	1426	crx00274	Apr-05	095	1436
crx00275	Apr-05	095	1456	crx00276	Apr-05	095	1521
crx00277	Apr-05	095	1536	crx00278	Apr-05	095	1650
crx00279	Apr-05	095	1703	crx00280	Apr-05	095	1717
crx00281	Apr-05	095	1730	crx00282	Apr-05	095	1742
crx00283	Apr-05	095	1755	crx00284	Apr-05	095	1807
crx00285	Apr-05	095	1819	crx00286	Apr-05	095	1833
crx00287	Apr-05	095	1904	crx00288	Apr-05	095	1917
crx00289	Apr-05	095	1929	crx00290	Apr-05	095	1947
crx00291	Apr-05	095	2001	crx00292	Apr-05	095	2013
crx00293	Apr-05	095	2025	crx00294	Apr-05	095	2103
crx00295	Apr-05	095	2116	crx00296	Apr-05	095	2128
crx00297	Apr-05	095	2145	crx00298	Apr-05	095	2157
crx00299	Apr-05	095	2209	crx00300	Apr-05	095	2234
crx00301	Apr-05	095	2248	crx00302	Apr-05	095	2300
crx00303	Apr-05	095	2321	crx00304	Apr-05	095	2337
crx00305	Apr-05	095	2358	crx00306	Apr-06	096	0028
crx00307*	Apr-06	096	0000	crx00308*	Apr-06	096	0000
crx00309	Apr-06	096	0205	crx00310	Apr-06	096	0243
crx00311	Apr-06	096	0258	crx00312	Apr-06	096	0313
crx00313*	Apr-06	096	0000	crx00314	Apr-06	096	0330
crx00315	Apr-06	096	0400	crx00316	Apr-06	096	0428
crx00317	Apr-06	096	0500	crx00318*	Apr-06	096	0000
crx00319	Apr-06	096	0540	crx00320	Apr-06	096	0559

drop #	date	day	time (hhmm)
crx00321	Apr-06	096	0621
crx00323	Apr-06	096	0705
crx00325	Apr-06	096	0740
crx00327	Apr-06	096	0813
crx00329	Apr-06	096	0844
crx00331	Apr-06	096	0923
crx00333	Apr-06	096	0956
crx00335	Apr-06	096	1028
crx00337	Apr-06	096	1129
crx00339	Apr-06	096	1200
crx00341	Apr-06	096	1231
crx00343	Apr-06	096	1303
crx00345	Apr-06	096	1320
crx00347	Apr-06	096	1414
crx00349	Apr-06	096	1449
crx00351	Apr-06	096	1524
crx00353	Apr-06	096	1558
crx00355C	Apr-06	096	1646
crx00357	Apr-06	096	1723
crx00359	Apr-06	096	1756
crx00361	Apr-06	096	1829
crx00363	Apr-06	096	1950
crx00365	Apr-06	096	2023
crx00367	Apr-06	096	2057
crx00369	Apr-06	096	2130
crx00371	Apr-06	096	2203
crx00373	Apr-06	096	2237
crx00375	Apr-06	096	2330
crx00377	Apr-07	097	0030
crx00379	Apr-07	097	0130
crx00381	Apr-07	097	0200
crx00383	Apr-07	097	0300
crx00385	Apr-07	097	0400
crx00387*	Apr-07	097	0000
crx00389*	Apr-07	097	0000
crx00391	Apr-07	097	0540
crx00393	Apr-07	097	0630
crx00395	Apr-07	097	0713
crx00397	Apr-07	097	0755
crx00399	Apr-07	097	0835
crx00401	Apr-07	097	0914
crx00403	Apr-07	097	1001
crx00405	Apr-07	097	1100
crx00407*	Apr-07	097	0000
crx00409	Apr-07	097	1340
crx00411	Apr-07	097	1417
crx00413	Apr-07	097	1453
crx00415	Apr-07	097	1530
crx00417	Apr-07	097	1633
crx00419	Apr-07	097	1709

drop #	date	day	time (hhmm)
crx00322	Apr-06	096	0638
crx00324	Apr-06	096	0722
crx00326	Apr-06	096	0757
crx00328	Apr-06	096	0829
crx00330	Apr-06	096	0902
crx00332	Apr-06	096	0939
crx00334	Apr-06	096	1011
crx00336	Apr-06	096	1113
crx00338	Apr-06	096	1144
crx00340	Apr-06	096	1216
crx00342	Apr-06	096	1248
crx00344*	Apr-06	096	1318
crx00346	Apr-06	096	1340
crx00348	Apr-06	096	1431
crx00350	Apr-06	096	1507
crx00352	Apr-06	096	1541
crx00354	Apr-06	096	1629
crx00356	Apr-06	096	1706
crx00358	Apr-06	096	1740
crx00360	Apr-06	096	1813
crx00362	Apr-06	096	1932
crx00364	Apr-06	096	2007
crx00366	Apr-06	096	2041
crx00368	Apr-06	096	2114
crx00370	Apr-06	096	2147
crx00372	Apr-06	096	2221
crx00374	Apr-06	096	2256
crx00376	Apr-07	097	0001
crx00378	Apr-07	097	0100
crx00380	Apr-07	097	0146
crx00382	Apr-07	097	0225
crx00384	Apr-07	097	0330
crx00386*	Apr-07	097	0000
crx00388*	Apr-07	097	0000
crx00390	Apr-07	097	0523
crx00392	Apr-07	097	0607
crx00394	Apr-07	097	0650
crx00396C	Apr-07	097	0737
crx00398	Apr-07	097	0816
crx00400	Apr-07	097	0855
crx00402	Apr-07	097	0935
crx00404	Apr-07	097	1029
crx00406*	Apr-07	097	0000
crx00408*	Apr-07	097	1321
crx00410	Apr-07	097	1358
crx00412	Apr-07	097	1435
crx00414	Apr-07	097	1512
crx00416	Apr-07	097	1616
crx00418	Apr-07	097	1651
crx00420	Apr-07	097	1726

drop # date day time
 (hhmm)

crx00421 Apr-07 097 1742
crx00423 Apr-07 097 1759
crx00425 Apr-07 097 1811
crx00427 Apr-07 097 1824
crx00429 Apr-07 097 1837
crx00431 Apr-07 097 1904
crx00433 Apr-07 097 1917
crx00435 Apr-07 097 1931
crx00437 Apr-07 097 1952
crx00439 Apr-07 097 2005
crx00441 Apr-07 097 2024
crx00443 Apr-07 097 2048
crx00445 Apr-07 097 2102
crx00447 Apr-07 097 2126
crx00449 Apr-07 097 2200
crx00451 Apr-07 097 2225
crx00453 Apr-07 097 2314
crx00455 Apr-08 098 0028
crx00457 Apr-08 098 0100
crx00459 Apr-08 098 0200
crx00461 Apr-08 098 0258
crx00463 Apr-08 098 0400
crx00465 Apr-08 098 0459
crx00467 Apr-08 098 0600
crx00469 Apr-08 098 0647
crx00471 Apr-08 098 0736
crx00473 Apr-08 098 0820
crx00475 Apr-08 098 0902
crx00477 Apr-08 098 0955
crx00479 Apr-08 098 1050
crx00481 Apr-08 098 1107
crx00483 Apr-08 098 1136
crx00485 Apr-08 098 1218
crx00487 Apr-08 098 1247
crx00489 Apr-08 098 1322
crx00491 Apr-08 098 1400
crx00493 Apr-08 098 1440
crx00495 Apr-08 098 1505
crx00497 Apr-08 098 1527
crx00499 Apr-08 098 1610
crx00501 Apr-08 098 1650
crx00503 Apr-08 098 1735
crx00505 Apr-08 098 1838
crx00507 Apr-08 098 1919
crx00509 Apr-08 098 2000
crx00511 Apr-08 098 2100
crx00513 Apr-08 098 2140
crx00515 Apr-08 098 2229
crx00517 Apr-08 098 2330
crx00519 Apr-09 099 0030

drop # date day time
 (hhmm)

crx00422 Apr-07 097 1753
crx00424 Apr-07 097 1805
crx00426 Apr-07 097 1818
crx00428 Apr-07 097 1830
crx00430 Apr-07 097 1844
crx00432 Apr-07 097 1907
crx00434 Apr-07 097 1924
crx00436 Apr-07 097 1938
crx00438 Apr-07 097 1958
crx00440 Apr-07 097 2013
crx00442 Apr-07 097 2042
crx00444 Apr-07 097 2055
crx00446 Apr-07 097 2111
crx00448 Apr-07 097 2141
crx00450 Apr-07 097 2211
crx00452 Apr-07 097 2254
crx00454 Apr-08 098 0008
crx00456 Apr-08 098 0045
crx00458 Apr-08 098 0130
crx00460 Apr-08 098 0230
crx00462 Apr-08 098 0332
crx00464 Apr-08 098 0427
crx00466 Apr-08 098 0530
crx00468 Apr-08 098 0625
crx00470 Apr-08 098 0713
crx00472 Apr-08 098 0753
crx00474 Apr-08 098 0841
crx00476 Apr-08 098 0930
crx00478 Apr-08 098 1036
crx00480 Apr-08 098 1058
crx00482 Apr-08 098 1118
crx00484 Apr-08 098 1200
crx00486 Apr-08 098 1231
crx00488 Apr-08 098 1302
crx00490 Apr-08 098 1340
crx00492 Apr-08 098 1420
crx00494 Apr-08 098 1455
crx00496 Apr-08 098 1516
crx00498 Apr-08 098 1550
crx00500 Apr-08 098 1630
crx00502 Apr-08 098 1710
crx00504 Apr-08 098 1821
crx00506 Apr-08 098 1903
crx00508 Apr-08 098 1940
crx00510 Apr-08 098 2030
crx00512 Apr-08 098 2120
crx00514 Apr-08 098 2158
crx00516 Apr-08 098 2300
crx00518 Apr-09 099 0000
crx00520 Apr-09 099 0100

drop #	date	day	time (hhmm)	drop #	date	day	time (hhmm)
crx00521	Apr-09	099	0130	crx00522	Apr-09	099	0200
crx00523	Apr-09	099	0230	crx00524	Apr-09	099	0300
crx00525	Apr-09	099	0330	crx00526	Apr-09	099	0400
crx00527	Apr-09	099	0430	crx00528	Apr-09	099	0500
crx00529	Apr-09	099	0530	crx00530C	Apr-09	099	0622
crx00531	Apr-09	099	0644	crx00532	Apr-09	099	0714
crx00533	Apr-09	099	0737	crx00534	Apr-09	099	0800
crx00535	Apr-09	099	0818	crx00536	Apr-09	099	0841
crx00537	Apr-09	099	0900	crx00538*	Apr-09	099	0000
crx00539*	Apr-09	099	0000	crx00540*	Apr-09	099	0000
crx00541*	Apr-09	099	0000	crx00542	Apr-09	099	1021
crx00543	Apr-09	099	1109	crx00544	Apr-09	099	1130
crx00545	Apr-09	099	1200	crx00546	Apr-09	099	1230
crx00547	Apr-09	099	1300	crx00548	Apr-09	099	1320
crx00549	Apr-09	099	1340	crx00550	Apr-09	099	1400
crx00551	Apr-09	099	1430	crx00552	Apr-09	099	1500
crx00553	Apr-09	099	1530	crx00554C	Apr-09	099	1600
crx00555	Apr-09	099	1626	crx00556	Apr-09	099	1711
crx00557	Apr-09	099	1730	crx00558	Apr-09	099	1800
crx00559	Apr-09	099	1830	crx00560	Apr-09	099	1905
crx00561	Apr-09	099	1930	crx00562	Apr-09	099	2000
crx00563	Apr-09	099	2030	crx00564	Apr-09	099	2100
crx00565	Apr-09	099	2130	crx00566	Apr-09	099	2200
crx00567	Apr-09	099	2212	crx00568	Apr-09	099	2230
crx00569	Apr-09	099	2300	crx00570	Apr-09	099	2320
crx00571	Apr-09	099	2335	crx00572	Apr-09	099	2350
crx00573	Apr-10	100	0002	crx00574	Apr-10	100	0030
crx00575	Apr-10	100	0100	crx00576	Apr-10	100	0130
crx00577	Apr-10	100	0200	crx00578	Apr-10	100	0230
crx00579	Apr-10	100	0300	crx00580	Apr-10	100	0330
crx00581	Apr-10	100	0424	crx00582	Apr-10	100	0500
crx00583	Apr-10	100	0530	crx00584	Apr-10	100	0600
crx00585	Apr-10	100	0630	crx00586	Apr-10	100	0705
crx00587	Apr-10	100	0730	crx00588	Apr-10	100	0750
crx00589	Apr-10	100	0810	crx00590	Apr-10	100	0830
crx00591	Apr-10	100	0850	crx00592	Apr-10	100	0905
crx00593	Apr-10	100	0910	crx00594	Apr-10	100	0932
crx00595	Apr-10	100	0950	crx00596	Apr-10	100	1010
crx00597	Apr-10	100	1030	crx00598	Apr-10	100	1050
crx00599	Apr-10	100	1110	crx00600	Apr-10	100	1130
crx00601	Apr-10	100	1200	crx00602	Apr-10	100	1220
crx00603	Apr-10	100	1240	crx00604	Apr-10	100	1300
crx00605	Apr-10	100	1317	crx00606	Apr-10	100	1336
crx00607	Apr-10	100	1420	crx00608	Apr-10	100	1437
crx00609	Apr-10	100	1500	crx00610	Apr-10	100	1520
crx00611	Apr-10	100	1548	crx00612	Apr-10	100	1620
crx00613	Apr-10	100	1641	crx00614	Apr-10	100	1700
crx00615	Apr-10	100	1720	crx00616	Apr-10	100	1740
crx00617	Apr-10	100	1800	crx00618	Apr-10	100	1820
crx00619	Apr-10	100	1840	crx00620	Apr-10	100	1903

drop # date day time
 (hhmm)

crx00621 Apr-10 100 1920
crx00623 Apr-10 100 2000
crx00625 Apr-10 100 2040
crx00627 Apr-10 100 2120
crx00629 Apr-10 100 2200
crx00631 Apr-10 100 2300
crx00633 Apr-10 100 2330
crx00635 Apr-11 101 0030
crx00637 Apr-11 101 0130
crx00639 Apr-11 101 0300
crx00641 Apr-11 101 0400
crx00643 Apr-11 101 0500
crx00645 Apr-11 101 0600
crx00647 Apr-11 101 0640
crx00649 Apr-11 101 0723
crx00651 Apr-11 101 0801
crx00653 Apr-11 101 0850
crx00655 Apr-11 101 0916
crx00657 Apr-11 101 1018
crx00659 Apr-11 101 1100
crx00661 Apr-11 101 1140
crx00663 Apr-11 101 1230
crx00665 Apr-11 101 1310
crx00667 Apr-11 101 1357
crx00669 Apr-11 101 1440
crx00671 Apr-11 101 1530
crx00673* Apr-11 101 0000
crx00675* Apr-11 101 0000
crx00677 Apr-11 101 1605
crx00679 Apr-11 101 1700
crx00681 Apr-11 101 1800
crx00683 Apr-11 101 1904
crx00685 Apr-11 101 2000
crx00687 Apr-11 101 2100
crx00689* Apr-11 101 2234
crx00691 Apr-11 101 2330
crx00693 Apr-12 102 0030
crx00695 Apr-12 102 0130
crx00697* Apr-12 102 0000
crx00699 Apr-12 102 0400
crx00701 Apr-12 102 0451
crx00703 Apr-12 102 0522
crx00705 Apr-12 102 0600
crx00707 Apr-12 102 0640
crx00709 Apr-12 102 0721
crx00711 Apr-12 102 0751
crx00713 Apr-12 102 0826
crx00715 Apr-12 102 0924
crx00717 Apr-12 102 0952
crx00719 Apr-12 102 1016

drop # date day time
 (hhmm)

crx00622 Apr-10 100 1940
crx00624 Apr-10 100 2020
crx00626 Apr-10 100 2100
crx00628 Apr-10 100 2140
crx00630 Apr-10 100 2238
crx00632* Apr-10 100 2329
crx00634 Apr-11 101 0000
crx00636 Apr-11 101 0100
crx00638 Apr-11 101 0230
crx00640 Apr-11 101 0330
crx00642 Apr-11 101 0430
crx00644 Apr-11 101 0530
crx00646 Apr-11 101 0620
crx00648 Apr-11 101 0704
crx00650 Apr-11 101 0742
crx00652 Apr-11 101 0829
crx00654* Apr-11 101 0912
crx00656 Apr-11 101 0937
crx00658 Apr-11 101 1040
crx00660 Apr-11 101 1122
crx00662 Apr-11 101 1200
crx00664 Apr-11 101 1250
crx00666 Apr-11 101 1330
crx00668 Apr-11 101 1425
crx00670 Apr-11 101 1500
crx00672* Apr-11 101 0000
crx00674* Apr-11 101 0000
crx00676* Apr-11 101 0000
crx00678 Apr-11 101 1630
crx00680 Apr-11 101 1730
crx00682 Apr-11 101 1830
crx00684 Apr-11 101 1930
crx00686 Apr-11 101 2030
crx00688 Apr-11 101 2141
crx00690 Apr-11 101 2300
crx00692 Apr-12 102 0000
crx00694 Apr-12 102 0100
crx00696* Apr-12 102 0200
crx00698* Apr-12 102 0320
crx00700 Apr-12 102 0430
crx00702 Apr-12 102 0506
crx00704 Apr-12 102 0540
crx00706 Apr-12 102 0620
crx00708 Apr-12 102 0704
crx00710 Apr-12 102 0736
crx00712 Apr-12 102 0807
crx00714 Apr-12 102 0909
crx00716 Apr-12 102 0938
crx00718 Apr-12 102 1004
crx00720 Apr-12 102 1032

drop #	date	day	time (hhmm)
crx00721	Apr-12	102	1050
crx00723	Apr-12	102	1121
crx00725	Apr-12	102	1155
crx00727	Apr-12	102	1225
crx00729	Apr-12	102	1257
crx00731	Apr-12	102	1328
crx00733	Apr-12	102	1400
crx00735	Apr-12	102	1440
crx00737	Apr-12	102	1520
crx00739	Apr-12	102	1600
crx00741	Apr-12	102	1700
crx00743	Apr-12	102	1740
crx00745*	Apr-12	102	1815
crx00747	Apr-12	102	1902
crx00749	Apr-12	102	1940
crx00751	Apr-12	102	2020
crx00753	Apr-12	102	2100
crx00755	Apr-12	102	2140
crx00757	Apr-12	102	2230
crx00759	Apr-12	102	2330
crx00761	Apr-13	103	0012
crx00763	Apr-13	103	0045
crx00765	Apr-13	103	0112
crx00767	Apr-13	103	0140
crx00769	Apr-13	103	0240
crx00771	Apr-13	103	0314
crx00773	Apr-13	103	0345
crx00775	Apr-13	103	0413
crx00777	Apr-13	103	0443
crx00779	Apr-13	103	0511
crx00781	Apr-13	103	0541
crx00783	Apr-13	103	0610
crx00785	Apr-13	103	0641
crx00787	Apr-13	103	0723
crx00789	Apr-13	103	0756
crx00791	Apr-13	103	0828
crx00793	Apr-13	103	0859
crx00795	Apr-13	103	0955
crx00797	Apr-13	103	1025
crx00799	Apr-13	103	1056
crx00801	Apr-13	103	1126
crx00803	Apr-13	103	1157
crx00805	Apr-13	103	1227
crx00807	Apr-13	103	1257
crx00809	Apr-13	103	1328
crx00811	Apr-13	103	1358
crx00813	Apr-13	103	1440
crx00815	Apr-13	103	1515
crx00817	Apr-13	103	1545
crx00819	Apr-13	103	1641

drop #	date	day	time (hhmm)
crx00722	Apr-12	102	1106
crx00724	Apr-12	102	1138
crx00726	Apr-12	102	1210
crx00728	Apr-12	102	1241
crx00730	Apr-12	102	1312
crx00732	Apr-12	102	1343
crx00734	Apr-12	102	1420
crx00736	Apr-12	102	1500
crx00738	Apr-12	102	1540
crx00740	Apr-12	102	1640
crx00742	Apr-12	102	1720
crx00744	Apr-12	102	1800
crx00746	Apr-12	102	1832
crx00748	Apr-12	102	1920
crx00750	Apr-12	102	2000
crx00752	Apr-12	102	2040
crx00754	Apr-12	102	2120
crx00756	Apr-12	102	2200
crx00758	Apr-12	102	2300
crx00760	Apr-13	103	0000
crx00762	Apr-13	103	0028
crx00764	Apr-13	103	0057
crx00766	Apr-13	103	0126
crx00768	Apr-13	103	0157
crx00770	Apr-13	103	0257
crx00772	Apr-13	103	0330
crx00774	Apr-13	103	0358
crx00776	Apr-13	103	0428
crx00778	Apr-13	103	0457
crx00780	Apr-13	103	0526
crx00782	Apr-13	103	0555
crx00784	Apr-13	103	0626
crx00786	Apr-13	103	0708
crx00788	Apr-13	103	0740
crx00790	Apr-13	103	0812
crx00792	Apr-13	103	0844
crx00794	Apr-13	103	0940
crx00796	Apr-13	103	1010
crx00798	Apr-13	103	1040
crx00800	Apr-13	103	1111
crx00802	Apr-13	103	1141
crx00804	Apr-13	103	1212
crx00806	Apr-13	103	1242
crx00808	Apr-13	103	1312
crx00810	Apr-13	103	1343
crx00812	Apr-13	103	1420
crx00814	Apr-13	103	1500
crx00816	Apr-13	103	1530
crx00818	Apr-13	103	1600
crx00820	Apr-13	103	1658

drop #	date	day	time (hhmm)
crx00821	Apr-13	103	1715
crx00823	Apr-13	103	1745
crx00825	Apr-13	103	1815
crx00827	Apr-13	103	1843
crx00829	Apr-13	103	1928
crx00831	Apr-13	103	1958
crx00833	Apr-13	103	2034
crx00835	Apr-13	103	2104
crx00837	Apr-13	103	2134
crx00839	Apr-13	103	2204
crx00841	Apr-13	103	2240
crx00843	Apr-13	103	2320
crx00845	Apr-14	104	0030
crx00847	Apr-14	104	0120
crx00849	Apr-14	104	0200
crx00851	Apr-14	104	0240
crx00853	Apr-14	104	0330
crx00855	Apr-14	104	0430
crx00857	Apr-14	104	0524
crx00859	Apr-14	104	0552
crx00861	Apr-14	104	0622
crx00863	Apr-14	104	0704
crx00865	Apr-14	104	0734
crx00867	Apr-14	104	0804
crx00869	Apr-14	104	0835
crx00871	Apr-14	104	0930
crx00873	Apr-14	104	1000
crx00875	Apr-14	104	1029
crx00877	Apr-14	104	1100
crx00879	Apr-14	104	1131
crx00881	Apr-14	104	1200
crx00883	Apr-14	104	1230
crx00885	Apr-14	104	1331
crx00887	Apr-14	104	1401
crx00889	Apr-14	104	1431
crx00891	Apr-14	104	1500
crx00893	Apr-14	104	1530
crx00895	Apr-14	104	1600
crx00897	Apr-14	104	1656
crx00899	Apr-14	104	1726
crx00901	Apr-14	104	1759
crx00903	Apr-14	104	1840
crx00905	Apr-14	104	1920
crx00907	Apr-14	104	1950
crx00909	Apr-14	104	2020
crx00911	Apr-14	104	2053
crx00913	Apr-14	104	2145
crx00915	Apr-14	104	2215
crx00917	Apr-14	104	2300
crx00919	Apr-15	105	0000

drop #	date	day	time (hhmm)
crx00822	Apr-13	103	1730
crx00824	Apr-13	103	1800
crx00826	Apr-13	103	1830
crx00828	Apr-13	103	1913
crx00830	Apr-13	103	1944
crx00832	Apr-13	103	2014
crx00834	Apr-13	103	2049
crx00836	Apr-13	103	2119
crx00838	Apr-13	103	2149
crx00840	Apr-13	103	2220
crx00842	Apr-13	103	2300
crx00844	Apr-13	103	2340
crx00846	Apr-14	104	0100
crx00848	Apr-14	104	0140
crx00850	Apr-14	104	0220
crx00852	Apr-14	104	0300
crx00854	Apr-14	104	0400
crx00856	Apr-14	104	0510
crx00858	Apr-14	104	0538
crx00860	Apr-14	104	0608
crx00862	Apr-14	104	0638
crx00864	Apr-14	104	0719
crx00866	Apr-14	104	0750
crx00868	Apr-14	104	0819
crx00870	Apr-14	104	0850
crx00872	Apr-14	104	0945
crx00874	Apr-14	104	1014
crx00876	Apr-14	104	1045
crx00878	Apr-14	104	1116
crx00880	Apr-14	104	1145
crx00882	Apr-14	104	1215
crx00884	Apr-14	104	1244
crx00886	Apr-14	104	1346
crx00888	Apr-14	104	1416
crx00890	Apr-14	104	1445
crx00892	Apr-14	104	1516
crx00894	Apr-14	104	1545
crx00896	Apr-14	104	1615
crx00898	Apr-14	104	1711
crx00900	Apr-14	104	1741
crx00902	Apr-14	104	1818
crx00904	Apr-14	104	1905
crx00906	Apr-14	104	1935
crx00908	Apr-14	104	2005
crx00910	Apr-14	104	2036
crx00912	Apr-14	104	2130
crx00914	Apr-14	104	2201
crx00916	Apr-14	104	2230
crx00918	Apr-14	104	2330
crx00920	Apr-15	105	0030

drop #	date	day	time (hhmm)
crx00921	Apr-15	105	0100
crx00923	Apr-15	105	0200
crx00925	Apr-15	105	0300
crx00927	Apr-15	105	0345
crx00929	Apr-15	105	0413
crx00931	Apr-15	105	0448
crx00933	Apr-15	105	0519
crx00935	Apr-15	105	0600
crx00937	Apr-15	105	0640
crx00939	Apr-15	105	0719
crx00941	Apr-15	105	0800
crx00943	Apr-15	105	0840
crx00945	Apr-15	105	0920
crx00947	Apr-15	105	1000
crx00949	Apr-15	105	1100
crx00951	Apr-15	105	1140
crx00953	Apr-15	105	1220
crx00955	Apr-15	105	1300
crx00957	Apr-15	105	1403
crx00959	Apr-15	105	1448
crx00961	Apr-15	105	1520
crx00963	Apr-15	105	1600
crx00965	Apr-15	105	1640
crx00967	Apr-15	105	1714
crx00969	Apr-15	105	1737
crx00971C	Apr-15	105	1820
crx00973C	Apr-15	105	1916
crx00975C	Apr-15	105	2200
crx00977	Apr-15	105	2300
crx00979	Apr-16	106	0004
crx00981	Apr-16	106	0050
crx00983*	Apr-16	106	0123
crx00985	Apr-16	106	0140
crx00987	Apr-16	106	0230
crx00989	Apr-16	106	0330
crx00991	Apr-16	106	0400
crx00993	Apr-16	106	0500
crx00995	Apr-16	106	0600
crx00997	Apr-16	106	0640
crx00999	Apr-16	106	0720
crx01001	Apr-16	106	0822
crx01003	Apr-16	106	0900
crx01005	Apr-16	106	0940
crx01007	Apr-16	106	1020
crx01009	Apr-16	106	1049
crx01011	Apr-16	106	1121
crx01013	Apr-16	106	1200
crx01015	Apr-16	106	1234
crx01017	Apr-16	106	1303
crx01019	Apr-16	106	1334

drop #	date	day	time (hhmm)
crx00922	Apr-15	105	0146
crx00924	Apr-15	105	0230
crx00926	Apr-15	105	0330
crx00928	Apr-15	105	0400
crx00930	Apr-15	105	0432
crx00932	Apr-15	105	0505
crx00934	Apr-15	105	0540
crx00936	Apr-15	105	0620
crx00938*	Apr-15	105	0706
crx00940	Apr-15	105	0740
crx00942	Apr-15	105	0820
crx00944	Apr-15	105	0900
crx00946	Apr-15	105	0940
crx00948	Apr-15	105	1042
crx00950	Apr-15	105	1120
crx00952	Apr-15	105	1200
crx00954	Apr-15	105	1240
crx00956	Apr-15	105	1318
crx00958	Apr-15	105	1420
crx00960C	Apr-15	105	1500
crx00962	Apr-15	105	1540
crx00964	Apr-15	105	1620
crx00966	Apr-15	105	1700
crx00968	Apr-15	105	1726
crx00970	Apr-15	105	1800
crx00972C	Apr-15	105	1840
crx00974C	Apr-15	105	2149
crx00976	Apr-15	105	2230
crx00978	Apr-15	105	2330
crx00980	Apr-16	106	0035
crx00982	Apr-16	106	0106
crx00984	Apr-16	106	0124
crx00986	Apr-16	106	0153
crx00988	Apr-16	106	0300
crx00990	Apr-16	106	0344
crx00992	Apr-16	106	0430
crx00994	Apr-16	106	0530
crx00996	Apr-16	106	0620
crx00998	Apr-16	106	0705
crx01000	Apr-16	106	0740
crx01002	Apr-16	106	0840
crx01004	Apr-16	106	0920
crx01006	Apr-16	106	1000
crx01008	Apr-16	106	1034
crx01010	Apr-16	106	1105
crx01012	Apr-16	106	1140
crx01014	Apr-16	106	1220
crx01016	Apr-16	106	1249
crx01018	Apr-16	106	1319
crx01020	Apr-16	106	1348

drop # date day time
 (hhmm)

crx01021 Apr-16 106 1404
crx01023 Apr-16 106 1435
crx01025 Apr-16 106 1504
crx01027 Apr-16 106 1559
crx01029 Apr-16 106 1626
crx01031 Apr-16 106 1654
crx01033 Apr-16 106 1722
crx01035 Apr-16 106 1800
crx01037 Apr-16 106 1840
crx01039 Apr-16 106 1920
crx01041 Apr-16 106 2020
crx01043 Apr-16 106 2100
crx01045 Apr-16 106 2140
crx01047 Apr-16 106 2220
crx01049 Apr-16 106 2311
crx01051 Apr-17 107 0000
crx01053 Apr-17 107 0048
crx01055* Apr-17 107 0130
crx01057 Apr-17 107 0230
crx01059 Apr-17 107 0330
crx01061 Apr-17 107 0430
crx01063 Apr-17 107 0530
crx01065 Apr-17 107 0620
crx01067 Apr-17 107 0703
crx01069 Apr-17 107 0734
crx01071 Apr-17 107 0804
crx01073 Apr-17 107 0837
crx01075 Apr-17 107 0909
crx01077 Apr-17 107 0939
crx01079 Apr-17 107 1035
crx01081 Apr-17 107 1115
crx01083 Apr-17 107 1144
crx01085 Apr-17 107 1214
crx01087 Apr-17 107 1244
crx01089 Apr-17 107 1313
crx01091 Apr-17 107 1344
crx01093 Apr-17 107 1420
crx01095 Apr-17 107 1500
crx01097 Apr-17 107 1540
crx01099 Apr-17 107 1620
crx01101 Apr-17 107 1700
crx01103 Apr-17 107 1740
crx01105 Apr-17 107 1812
crx01107 Apr-17 107 1908
crx01109 Apr-17 107 1940
crx01111 Apr-17 107 2020
crx01113 Apr-17 107 2100
crx01115 Apr-17 107 2124
crx01117 Apr-17 107 2200
crx01119 Apr-17 107 2300

drop # date day time
 (hhmm)

crx01022 Apr-16 106 1420
crx01024 Apr-16 106 1449
crx01026 Apr-16 106 1545
crx01028 Apr-16 106 1613
crx01030 Apr-16 106 1640
crx01032 Apr-16 106 1707
crx01034 Apr-16 106 1738
crx01036 Apr-16 106 1821
crx01038 Apr-16 106 1904
crx01040 Apr-16 106 2000
crx01042 Apr-16 106 2040
crx01044 Apr-16 106 2120
crx01046 Apr-16 106 2202
crx01048* Apr-16 106 0000
crx01050 Apr-16 106 2331
crx01052* Apr-17 107 0045
crx01054 Apr-17 107 0103
crx01056C Apr-17 107 0200
crx01058 Apr-17 107 0300
crx01060 Apr-17 107 0400
crx01062 Apr-17 107 0500
crx01064 Apr-17 107 0600
crx01066 Apr-17 107 0640
crx01068 Apr-17 107 0720
crx01070 Apr-17 107 0749
crx01072 Apr-17 107 0819
crx01074 Apr-17 107 0854
crx01076 Apr-17 107 0924
crx01078 Apr-17 107 0954
crx01080* Apr-17 107 1053
crx01082 Apr-17 107 1129
crx01084 Apr-17 107 1159
crx01086 Apr-17 107 1229
crx01088 Apr-17 107 1259
crx01090 Apr-17 107 1329
crx01092 Apr-17 107 1400
crx01094 Apr-17 107 1440
crx01096 Apr-17 107 1520
crx01098 Apr-17 107 1600
crx01100 Apr-17 107 1641
crx01102 Apr-17 107 1720
crx01104 Apr-17 107 1755
crx01106* Apr-17 107 1839
crx01108 Apr-17 107 1924
crx01110 Apr-17 107 2000
crx01112 Apr-17 107 2039
crx01114* Apr-17 107 2120
crx01116 Apr-17 107 2140
crx01118 Apr-17 107 2230
crx01120 Apr-17 107 2330

drop #	date	day time (hhmm)	drop #	date	day time (hhmm)
crx01121	Apr-18	108 0000	crx01122	Apr-18	108 0030
crx01123	Apr-18	108 0045	crx01124	Apr-18	108 0100
crx01125	Apr-18	108 0115	crx01126	Apr-18	108 0130
crx01127	Apr-18	108 0147	crx01128	Apr-18	108 0205
crx01129	Apr-18	108 0219	crx01130	Apr-18	108 0300
crx01131	Apr-18	108 0330	crx01132	Apr-18	108 0400
crx01133*	Apr-18	108 0000	crx01134	Apr-18	108 0518
crx01135	Apr-18	108 0533	crx01136	Apr-18	108 0548
crx01137	Apr-18	108 0606	crx01138*	Apr-18	108 0621
crx01139	Apr-18	108 0623	crx01140	Apr-18	108 0638
crx01141	Apr-18	108 0705	crx01142	Apr-18	108 0720
crx01143*	Apr-18	108 0000	crx01144	Apr-18	108 0810
crx01145*	Apr-18	108 0824	crx01146	Apr-18	108 0828
crx01147	Apr-18	108 0904	crx01148	Apr-18	108 0919
crx01149	Apr-18	108 0940	crx01150	Apr-18	108 0955
crx01151	Apr-18	108 1011	crx01152	Apr-18	108 1030
crx01153	Apr-18	108 1045	crx01154	Apr-18	108 1101
crx01155	Apr-18	108 1116	crx01156	Apr-18	108 1131
crx01157	Apr-18	108 1147	crx01158	Apr-18	108 1202
crx01159	Apr-18	108 1217	crx01160	Apr-18	108 1233
crx01161	Apr-18	108 1247	crx01162	Apr-18	108 1327
crx01163	Apr-18	108 1342	crx01164	Apr-18	108 1400
crx01165	Apr-18	108 1420	crx01166	Apr-18	108 1440
crx01167	Apr-18	108 1500	crx01168	Apr-18	108 1520
crx01169	Apr-18	108 1540	crx01170	Apr-18	108 1600
crx01171	Apr-18	108 1620	crx01172	Apr-18	108 1640
crx01173	Apr-18	108 1700	crx01174	Apr-18	108 1720
crx01175	Apr-18	108 1740	crx01176	Apr-18	108 1800
crx01177	Apr-18	108 1820	crx01178C	Apr-18	108 1919
crx01179	Apr-18	108 1933	crx01180	Apr-18	108 2000
crx01181	Apr-18	108 2020	crx01182*	Apr-18	108 2048
crx01183	Apr-18	108 2110	crx01184	Apr-18	108 2125
crx01185	Apr-18	108 2140	crx01186	Apr-18	108 2200
crx01187	Apr-18	108 2238	crx01188	Apr-18	108 2255
crx01189	Apr-18	108 2310	crx01190	Apr-18	108 2325
crx01191	Apr-18	108 2340	crx01192	Apr-18	108 2354
crx01193	Apr-19	109 0009	crx01194	Apr-19	109 0023
crx01195	Apr-19	109 0038	crx01196	Apr-19	109 0100
crx01197	Apr-19	109 0130	crx01198	Apr-19	109 0200
crx01199	Apr-19	109 0230	crx01200	Apr-19	109 0300
crx01201	Apr-19	109 0330	crx01202	Apr-19	109 0413
crx01203	Apr-19	109 0432	crx01204	Apr-19	109 0500
crx01205	Apr-19	109 0530	crx01206	Apr-19	109 0600
crx01207	Apr-19	109 0620	crx01208	Apr-19	109 0640
crx01209	Apr-19	109 0705	crx01210	Apr-19	109 0720
crx01211	Apr-19	109 0740	crx01212	Apr-19	109 0820
crx01213	Apr-19	109 0840	crx01214	Apr-19	109 0900
crx01215	Apr-19	109 0920	crx01216	Apr-19	109 0940
crx01217	Apr-19	109 1000	crx01218	Apr-19	109 1020
crx01219	Apr-19	109 1040	crx01220	Apr-19	109 1100

drop #	date	day time (hhmm)	drop #	date	day time (hhmm)
crx01221	Apr-19	109 1120	crx01222	Apr-19	109 1140
crx01223	Apr-19	109 1200	crx01224	Apr-19	109 1220
crx01225	Apr-19	109 1240	crx01226	Apr-19	109 1300
crx01227	Apr-19	109 1320	crx01228	Apr-19	109 1340
crx01229	Apr-19	109 1400	crx01230	Apr-19	109 1430
crx01231	Apr-19	109 1500	crx01232	Apr-19	109 1530
crx01233	Apr-19	109 1600	crx01234	Apr-19	109 1630
crx01235	Apr-19	109 1700	crx01236*	Apr-19	109 1715
crx01237	Apr-19	109 1743	crx01238	Apr-19	109 1800
crx01239	Apr-19	109 1830	crx01240	Apr-19	109 1903
crx01241	Apr-19	109 1930	crx01242	Apr-19	109 2000
crx01243	Apr-19	109 2050	crx01244	Apr-19	109 2152
crx01245	Apr-19	109 2230	crx01246	Apr-19	109 2300
crx01247	Apr-19	109 2330	crx01248	Apr-20	110 0000
crx01249	Apr-20	110 0030	crx01250	Apr-20	110 0105
crx01251	Apr-20	110 0130	crx01252	Apr-20	110 0200
crx01253	Apr-20	110 0230	crx01254	Apr-20	110 0308
crx01255	Apr-20	110 0330	crx01256	Apr-20	110 0400
crx01257	Apr-20	110 0430	crx01258	Apr-20	110 0508
crx01259	Apr-20	110 0529	crx01260	Apr-20	110 0600
crx01261	Apr-20	110 0640	crx01262	Apr-20	110 0704
crx01263	Apr-20	110 0730	crx01264	Apr-20	110 0745
crx01265	Apr-20	110 0800	crx01266*	Apr-20	110 0815
crx01267	Apr-20	110 0818	crx01268	Apr-20	110 0833
crx01269	Apr-20	110 0850	crx01270	Apr-20	110 0905
crx01271	Apr-20	110 0920	crx01272	Apr-20	110 0940
crx01273	Apr-20	110 1000	crx01274	Apr-20	110 1020
crx01275	Apr-20	110 1040	crx01276	Apr-20	110 1100
crx01277	Apr-20	110 1120	crx01278	Apr-20	110 1141
crx01279	Apr-20	110 1200	crx01280	Apr-20	110 1220
crx01281	Apr-20	110 1240	crx01282	Apr-20	110 1300
crx01283	Apr-20	110 1320	crx01284	Apr-20	110 1340
crx01285	Apr-20	110 1400	crx01286	Apr-20	110 1420
crx01287	Apr-20	110 1500	crx01288	Apr-20	110 1530
crx01289	Apr-20	110 1600	crx01290	Apr-20	110 1630
crx01291	Apr-20	110 1700	crx01292	Apr-20	110 1730
crx01293	Apr-20	110 1800	crx01294	Apr-20	110 1830
crx01295	Apr-20	110 1903	crx01296	Apr-20	110 1930
crx01297	Apr-20	110 2000	crx01298	Apr-20	110 2030
crx01299	Apr-20	110 2100	crx01300	Apr-20	110 2130
crx01301	Apr-20	110 2200	crx01302	Apr-20	110 2230
crx01303	Apr-20	110 2300	crx01304	Apr-20	110 2330
crx01305	Apr-21	111 0001	crx01306	Apr-21	111 0030
crx01307	Apr-21	111 0100	crx01308	Apr-21	111 0130
crx01309	Apr-21	111 0200	crx01310*	Apr-21	111 0000
crx01311*	Apr-21	111 0000	crx01312*	Apr-21	111 0000
crx01313*	Apr-21	111 0000	crx01314	Apr-21	111 0230
crx01315*	Apr-21	111 0000	crx01316	Apr-21	111 0318
crx01317	Apr-21	111 0332	crx01318	Apr-21	111 0400
crx01319	Apr-21	111 0430	crx01320	Apr-21	111 0500

drop #	date	day	time (hhmm)
crx01321	Apr-21	111	0559
crx01323	Apr-21	111	0640
crx01325	Apr-21	111	0721
crx01327	Apr-21	111	0800
crx01329	Apr-21	111	0840
crx01331	Apr-21	111	0920
crx01333	Apr-21	111	1000
crx01335	Apr-21	111	1040
crx01337	Apr-21	111	1120
crx01339	Apr-21	111	1200
crx01341	Apr-21	111	1240
crx01343	Apr-21	111	1345
crx01345	Apr-21	111	1430
crx01347	Apr-21	111	1510
crx01349	Apr-21	111	1550
crx01351	Apr-21	111	1630
crx01353	Apr-21	111	1710
crx01355	Apr-21	111	1800
crx01357	Apr-21	111	1909
crx01359	Apr-21	111	2000
crx01361	Apr-21	111	2100
crx01363	Apr-21	111	2200
crx01365	Apr-21	111	2300
crx01367*	Apr-21	111	2330
crx01369	Apr-22	112	0016
crx01371	Apr-22	112	0046
crx01373	Apr-22	112	0116
crx01375*	Apr-22	112	0146
crx01377*	Apr-22	112	0245
crx01379*	Apr-22	112	0000
crx01381	Apr-22	112	0415
crx01383	Apr-22	112	0443
crx01385	Apr-22	112	0514
crx01387	Apr-22	112	0542
crx01389	Apr-22	112	0612
crx01391	Apr-22	112	0642
crx01393	Apr-22	112	0717
crx01395	Apr-22	112	0812
crx01397	Apr-22	112	0843
crx01399	Apr-22	112	0911
crx01401	Apr-22	112	0944
crx01403	Apr-22	112	1020
crx01405	Apr-22	112	1100
crx01407	Apr-22	112	1140
crx01409	Apr-22	112	1220
crx01411	Apr-22	112	1300
crx01413	Apr-22	112	1340
crx01415	Apr-22	112	1430
crx01417	Apr-22	112	1530
crx01419	Apr-22	112	1600

drop #	date	day	time (hhmm)
crx01322	Apr-21	111	0620
crx01324	Apr-21	111	0706
crx01326	Apr-21	111	0740
crx01328	Apr-21	111	0820
crx01330	Apr-21	111	0900
crx01332	Apr-21	111	0940
crx01334	Apr-21	111	1020
crx01336	Apr-21	111	1100
crx01338	Apr-21	111	1140
crx01340	Apr-21	111	1220
crx01342	Apr-21	111	1330
crx01344	Apr-21	111	1400
crx01346	Apr-21	111	1450
crx01348	Apr-21	111	1530
crx01350	Apr-21	111	1610
crx01352	Apr-21	111	1650
crx01354	Apr-21	111	1730
crx01356	Apr-21	111	1830
crx01358	Apr-21	111	1930
crx01360	Apr-21	111	2030
crx01362	Apr-21	111	2130
crx01364	Apr-21	111	2230
crx01366	Apr-21	111	2315
crx01368	Apr-21	111	2358
crx01370	Apr-22	112	0031
crx01372	Apr-22	112	0101
crx01374	Apr-22	112	0130
crx01376	Apr-22	112	0231
crx01378*	Apr-22	112	0343
crx01380	Apr-22	112	0400
crx01382	Apr-22	112	0430
crx01384	Apr-22	112	0500
crx01386	Apr-22	112	0529
crx01388	Apr-22	112	0557
crx01390	Apr-22	112	0626
crx01392	Apr-22	112	0702
crx01394	Apr-22	112	0732
crx01396	Apr-22	112	0827
crx01398	Apr-22	112	0857
crx01400	Apr-22	112	0928
crx01402	Apr-22	112	1000
crx01404	Apr-22	112	1040
crx01406	Apr-22	112	1120
crx01408	Apr-22	112	1200
crx01410	Apr-22	112	1240
crx01412	Apr-22	112	1320
crx01414	Apr-22	112	1400
crx01416	Apr-22	112	1500
crx01418	Apr-22	112	1545
crx01420	Apr-22	112	1640

drop #	date	day	time (hhmm)
crx01421	Apr-22	112	1700
crx01423	Apr-22	112	1800
crx01425	Apr-22	112	1903
crx01427	Apr-22	112	1935
crx01429	Apr-22	112	2030
crx01431	Apr-22	112	2130
crx01433	Apr-22	112	2203
crx01435	Apr-22	112	2227
crx01437	Apr-22	112	2253
crx01439	Apr-22	112	2323
crx01441	Apr-22	112	2355
crx01443	Apr-23	113	0025
crx01445*	Apr-23	113	0000
crx01447	Apr-23	113	0140
crx01449	Apr-23	113	0208
crx01451*	Apr-23	113	0238
crx01453	Apr-23	113	0254
crx01455	Apr-23	113	0324
crx01457	Apr-23	113	0400
crx01459	Apr-23	113	0430
crx01461	Apr-23	113	0459
crx01463	Apr-23	113	0528
crx01465	Apr-23	113	0601
crx01467	Apr-23	113	0632
crx01469	Apr-23	113	0709
crx01471	Apr-23	113	0739
crx01473	Apr-23	113	0837
crx01475	Apr-23	113	0907
crx01477	Apr-23	113	0937
crx01479	Apr-23	113	1007
crx01481	Apr-23	113	1038
crx01483	Apr-23	113	1107
crx01485	Apr-23	113	1152
crx01487	Apr-23	113	1222
crx01489	Apr-23	113	1251
crx01491	Apr-23	113	1317
crx01493	Apr-23	113	1347
crx01495	Apr-23	113	1420
crx01497	Apr-23	113	1511
crx01499	Apr-23	113	1546
crx01501	Apr-23	113	1617
crx01503	Apr-23	113	1646
crx01505	Apr-23	113	1715
crx01507	Apr-23	113	1800
crx01509	Apr-23	113	1840
crx01511	Apr-23	113	1920
crx01513*	Apr-23	113	0000
crx01515*	Apr-23	113	0000
crx01517*	Apr-23	113	0000
crx01519	Apr-23	113	2145

drop #	date	day	time (hhmm)
crx01422	Apr-22	112	1730
crx01424	Apr-22	112	1830
crx01426	Apr-22	112	1918
crx01428	Apr-22	112	2000
crx01430	Apr-22	112	2100
crx01432	Apr-22	112	2149
crx01434*	Apr-22	112	2217
crx01436*	Apr-22	112	2237
crx01438	Apr-22	112	2308
crx01440	Apr-22	112	2339
crx01442	Apr-23	113	0010
crx01444	Apr-23	113	0040
crx01446	Apr-23	113	0125
crx01448	Apr-23	113	0154
crx01450	Apr-23	113	0223
crx01452	Apr-23	113	0240
crx01454	Apr-23	113	0309
crx01456	Apr-23	113	0342
crx01458	Apr-23	113	0415
crx01460	Apr-23	113	0445
crx01462	Apr-23	113	0514
crx01464	Apr-23	113	0543
crx01466	Apr-23	113	0617
crx01468	Apr-23	113	0647
crx01470	Apr-23	113	0724
crx01472	Apr-23	113	0821
crx01474	Apr-23	113	0852
crx01476	Apr-23	113	0922
crx01478	Apr-23	113	0952
crx01480	Apr-23	113	1023
crx01482	Apr-23	113	1052
crx01484	Apr-23	113	1137
crx01486	Apr-23	113	1207
crx01488	Apr-23	113	1237
crx01490	Apr-23	113	1303
crx01492	Apr-23	113	1333
crx01494	Apr-23	113	1402
crx01496	Apr-23	113	1436
crx01498	Apr-23	113	1531
crx01500	Apr-23	113	1602
crx01502	Apr-23	113	1631
crx01504	Apr-23	113	1701
crx01506	Apr-23	113	1740
crx01508	Apr-23	113	1820
crx01510	Apr-23	113	1903
crx01512	Apr-23	113	1934
crx01514*	Apr-23	113	0000
crx01516*	Apr-23	113	0000
crx01518	Apr-23	113	2130
crx01520	Apr-23	113	2200

drop #	date	day	time
			(hhmm)

crx01521	Apr-23	113	2216
crx01523	Apr-23	113	2322
crx01525	Apr-23	113	2353
crx01527	Apr-24	114	0022
crx01529	Apr-24	114	0053
crx01531	Apr-24	114	0200
crx01533	Apr-24	114	0300
crx01535	Apr-24	114	0400
crx01537*	Apr-24	114	0445
crx01539	Apr-24	114	0530
crx01541	Apr-24	114	0620
crx01543	Apr-24	114	0704
crx01545	Apr-24	114	0740

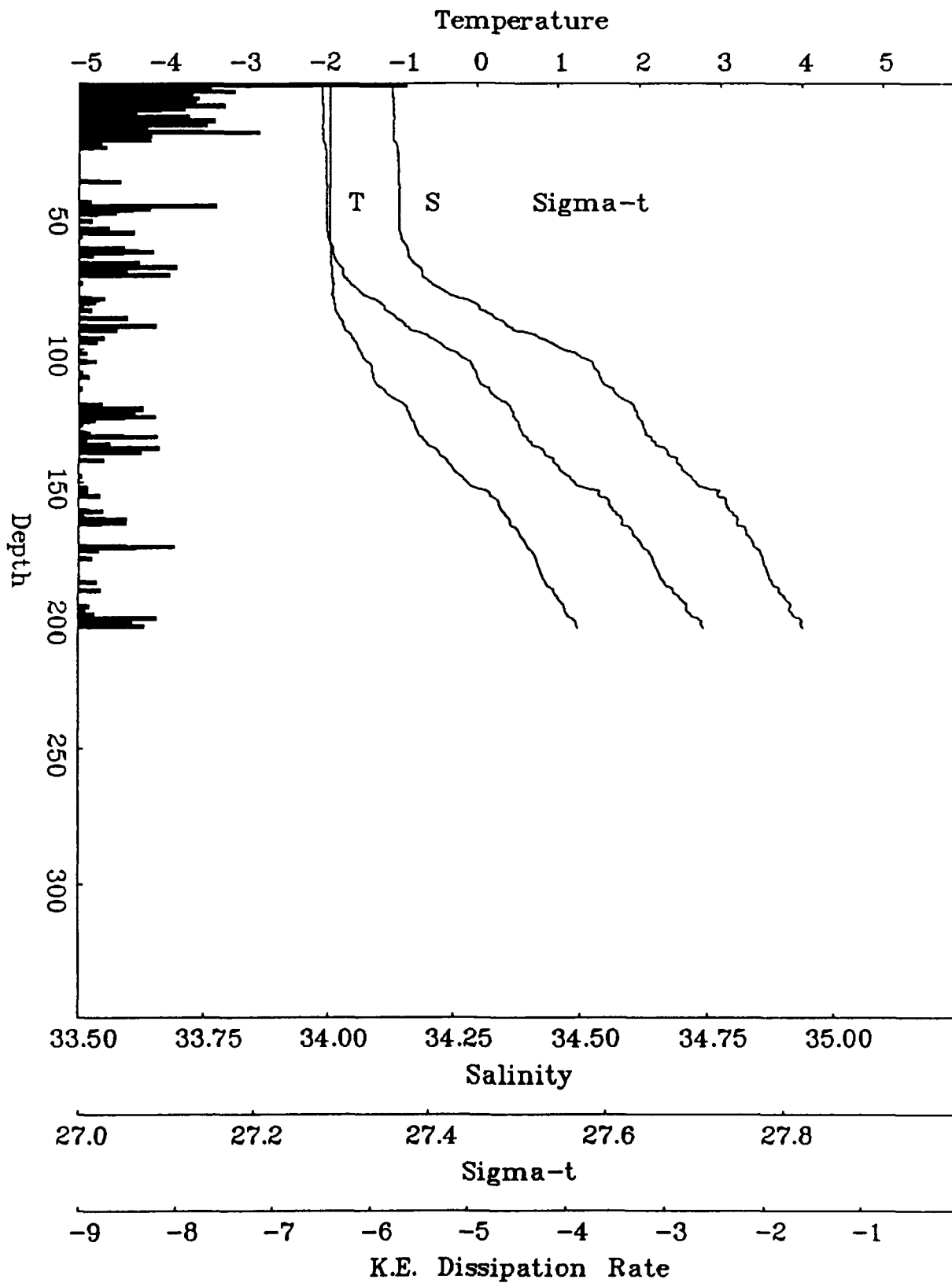
drop #	date	day	time
			(hhmm)

crx01522	Apr-23	113	2308
crx01524	Apr-23	113	2339
crx01526	Apr-24	114	0008
crx01528	Apr-24	114	0038
crx01530	Apr-24	114	0126
crx01532	Apr-24	114	0230
crx01534	Apr-24	114	0330
crx01536	Apr-24	114	0430
crx01538	Apr-24	114	0501
crx01540	Apr-24	114	0600
crx01542	Apr-24	114	0640
crx01544	Apr-24	114	0720
crx01546	Apr-24	114	0800

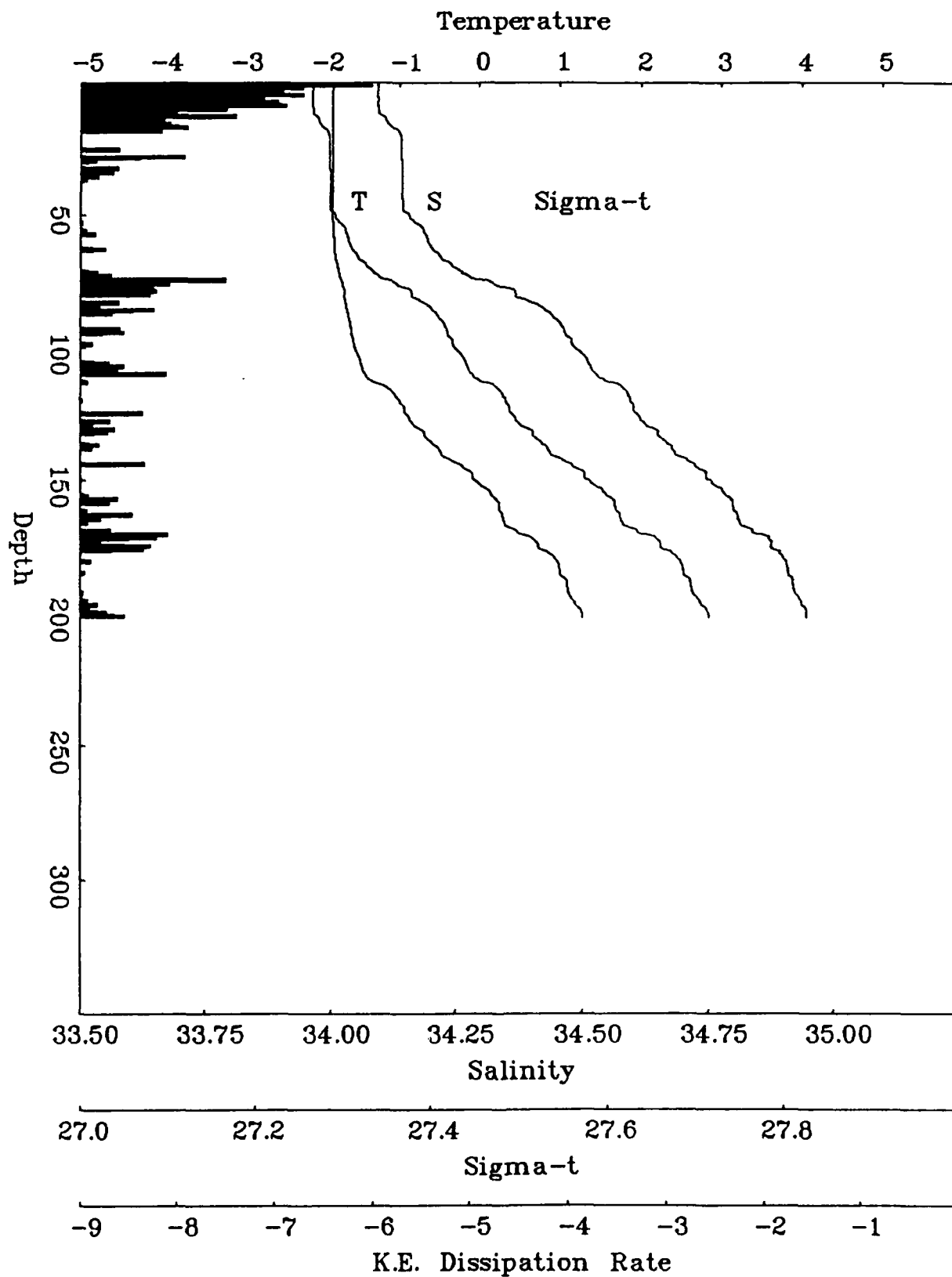
Section 3:

**Example Profiles of Temperature, Salinity,
Density, and Dissipation Rate**

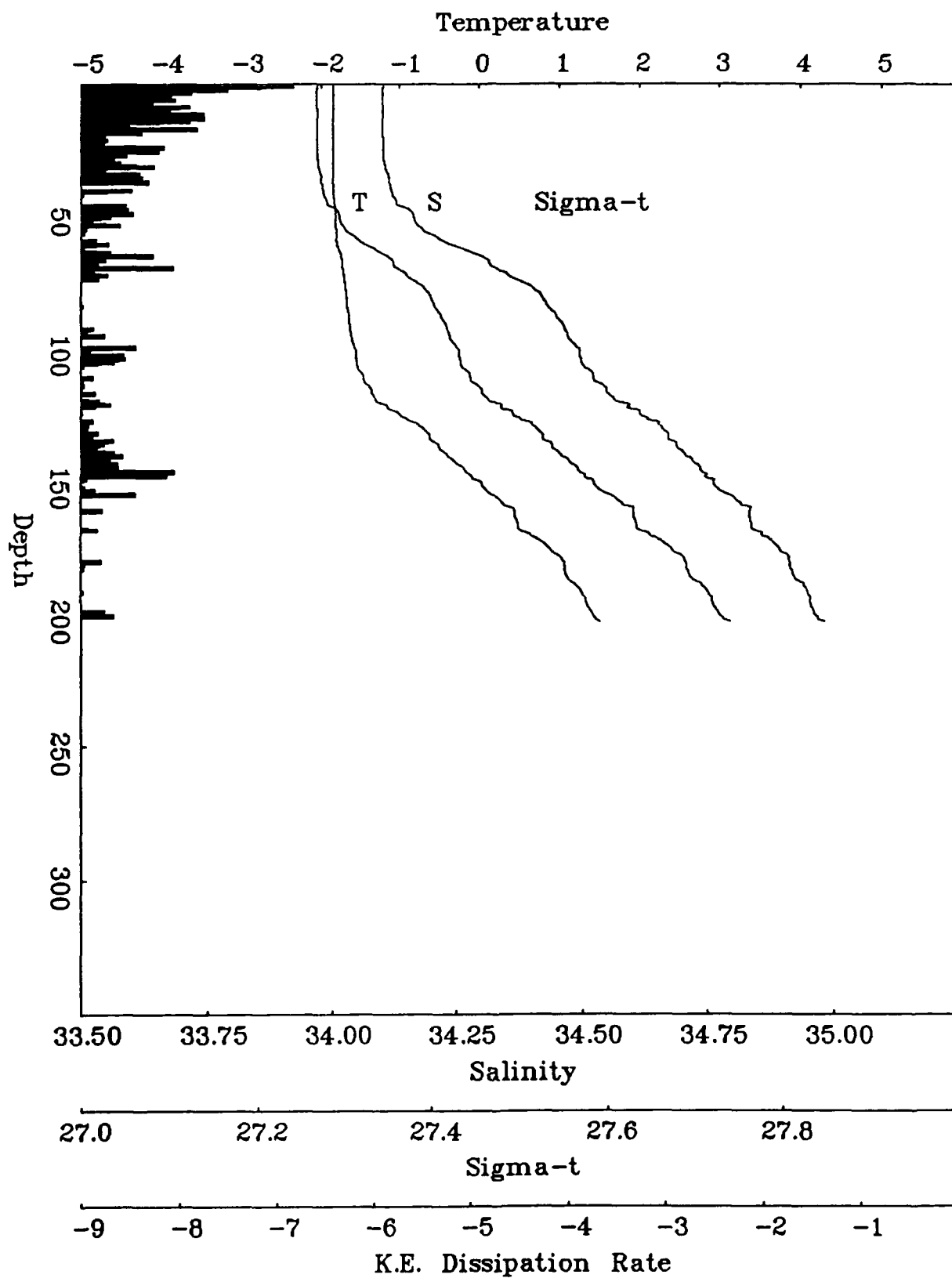
CEAREX Cast 20, JD 90.6619, 15:48, 83.04N, 9.95E



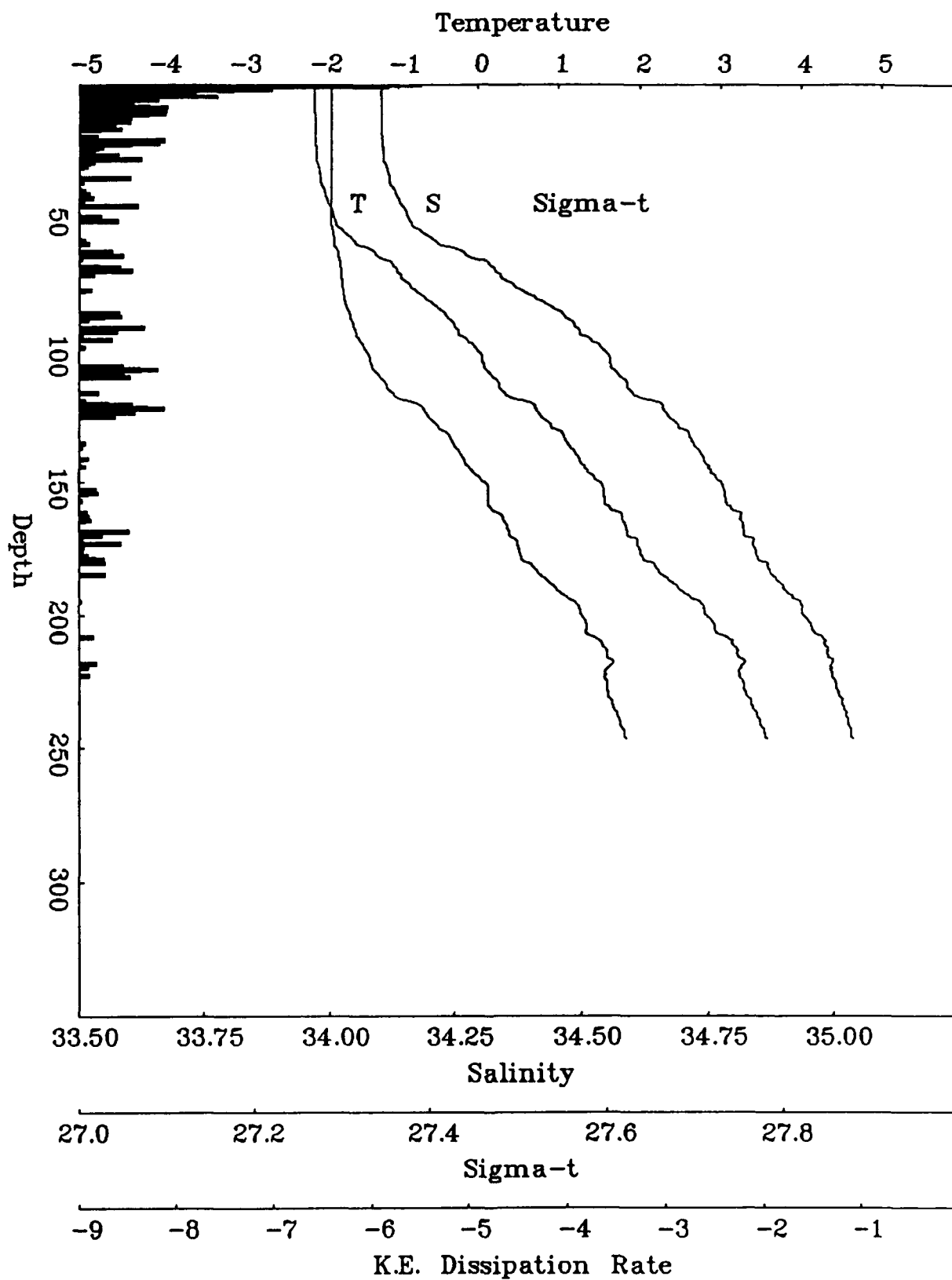
CEAREX Cast 36, JD 90.8359, 19:59, 83.04N, 9.99E



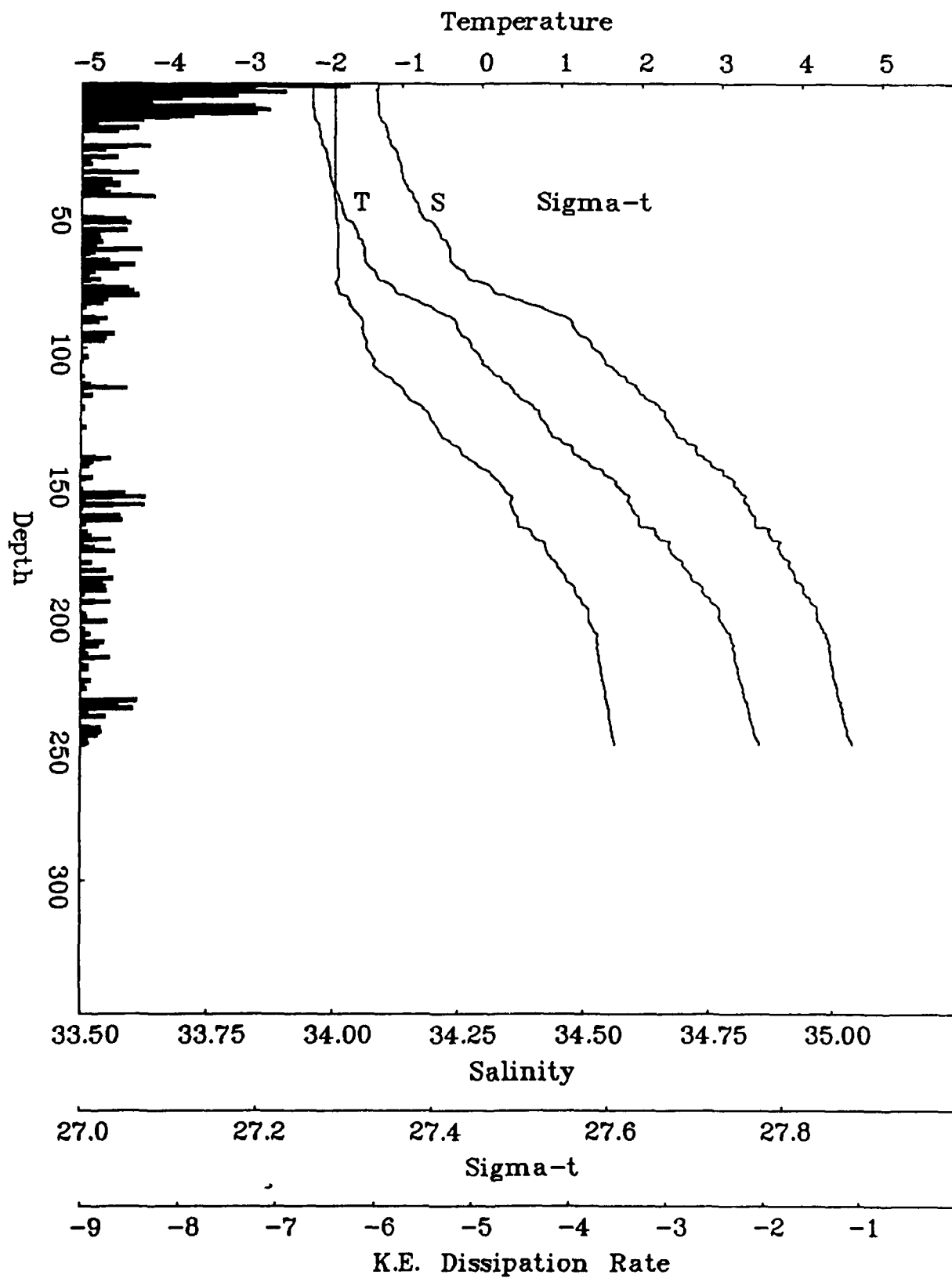
CEAREX Cast 49, JD 91.0041, 00:01, 83.04N, 10.00E



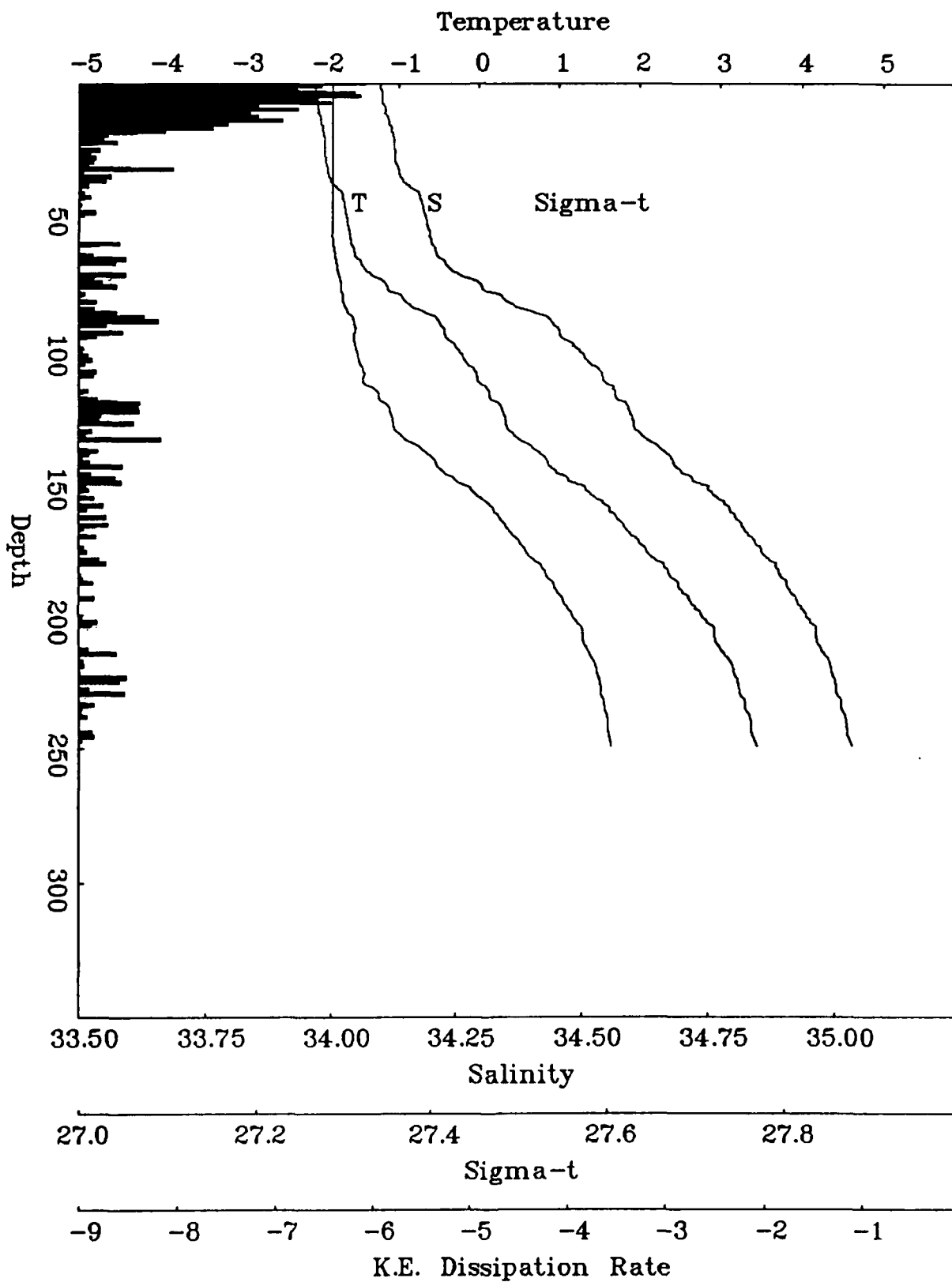
CEAREX Cast 68, JD 91.1745, 04:05, *****N, *****E



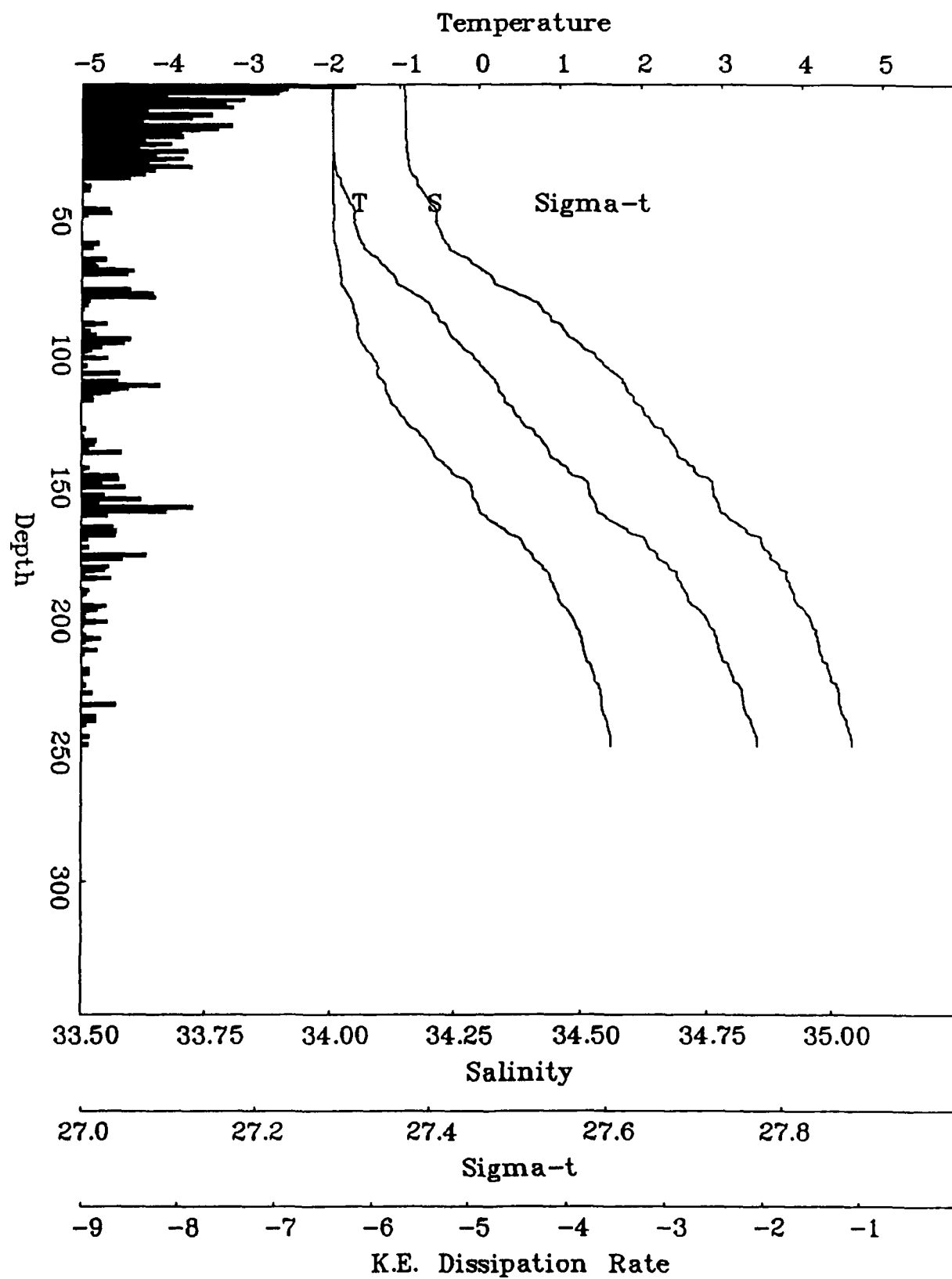
CEAREX Cast 80, JD 91.3383, 08:01, *****N, *****E



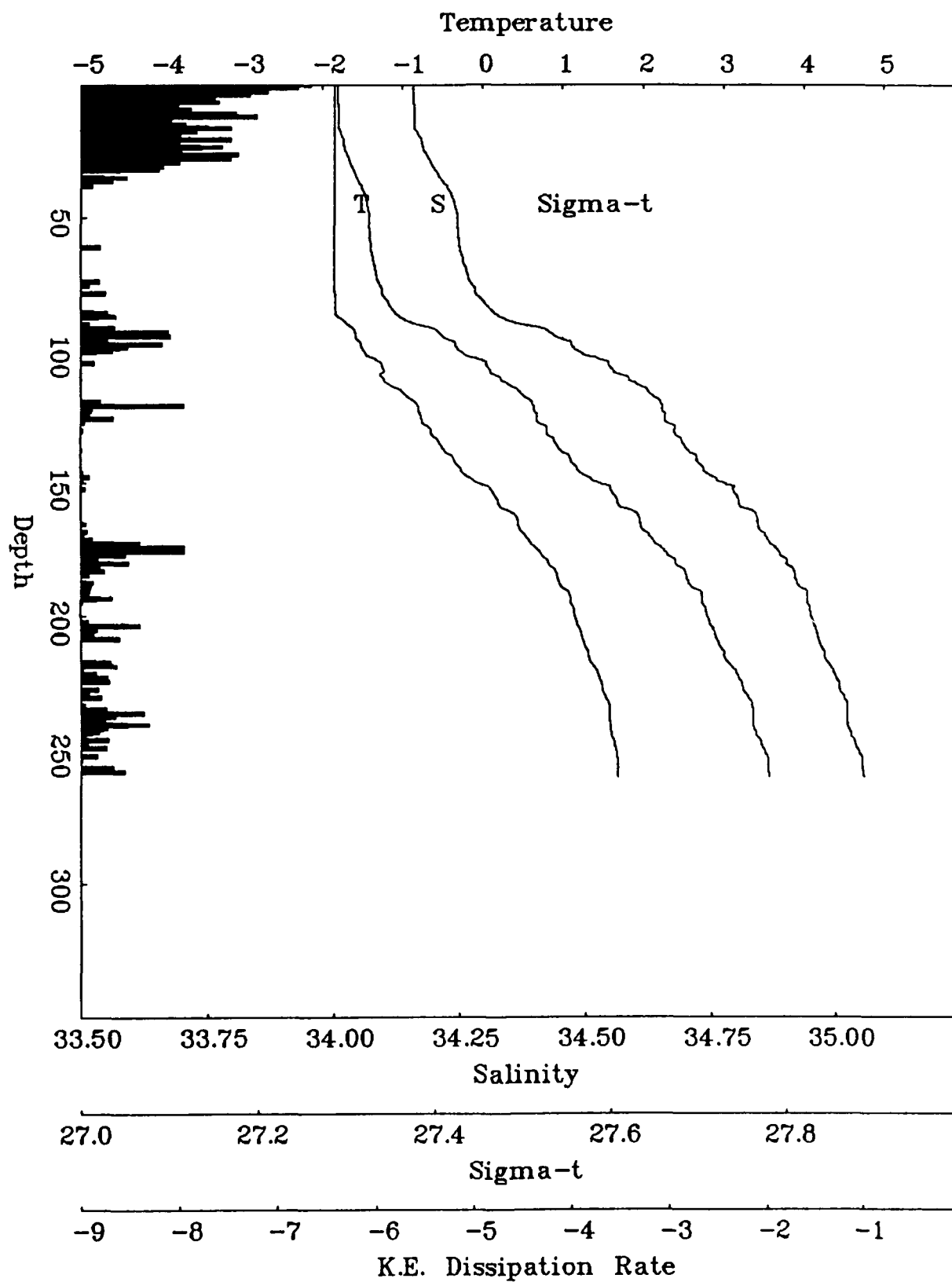
CEAREX Cast 92, JD 91.5035, 11:59, *****N, *****E



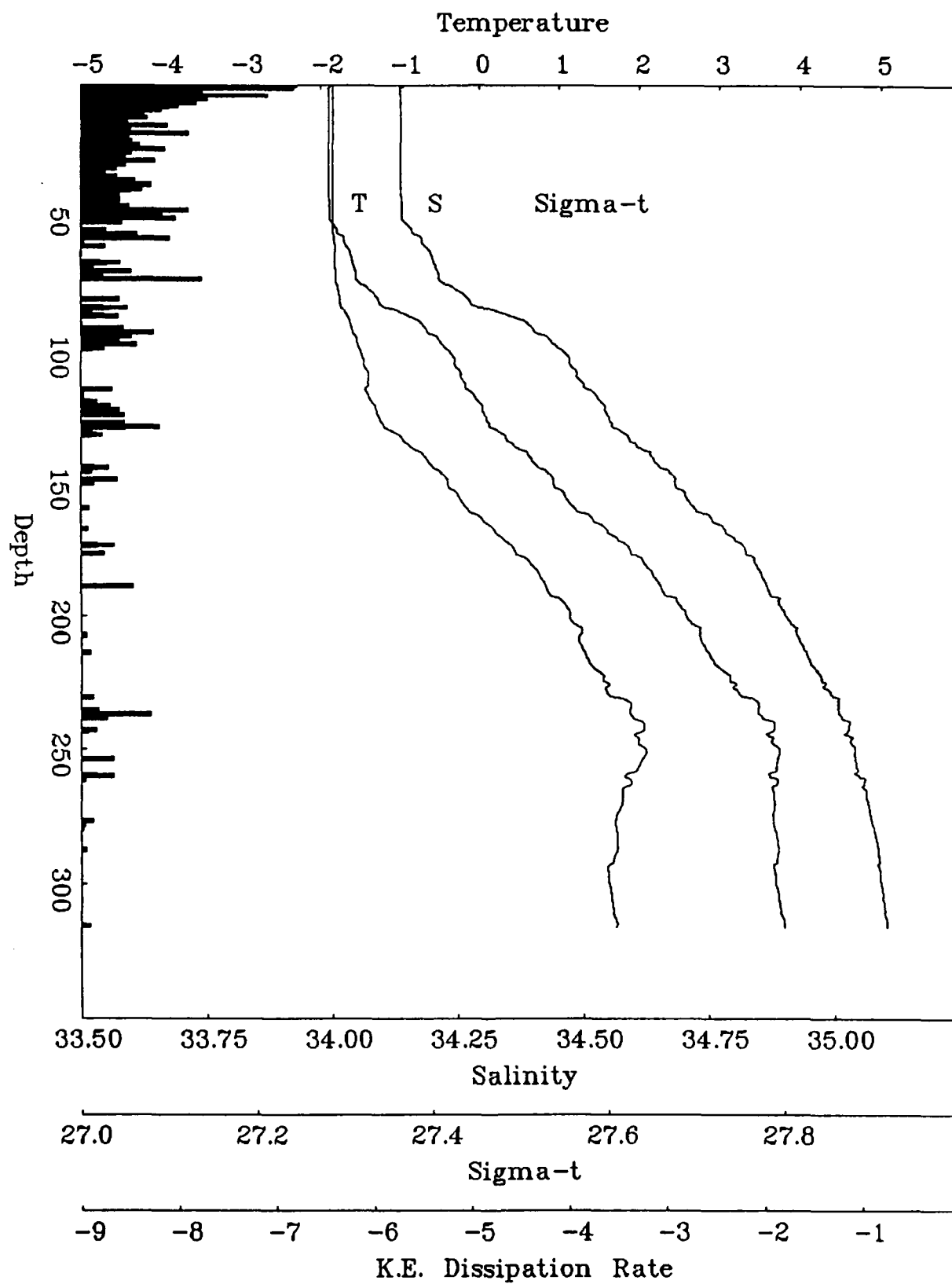
CEAREX Cast 107, JD 91.6703, 15:59, *****N, *****E



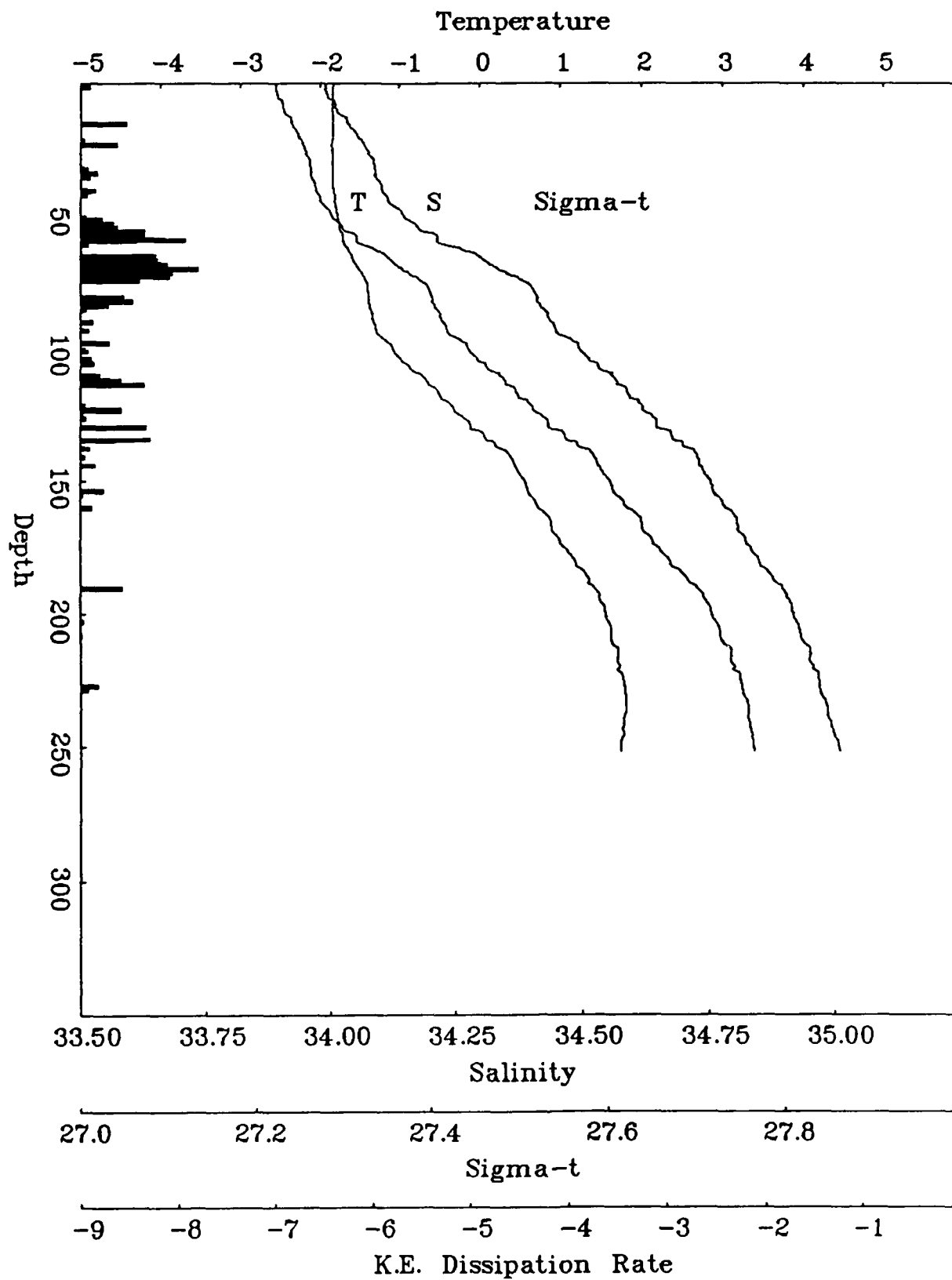
CEAREX Cast 120, JD 91.8258, 19:43, *****N, *****E



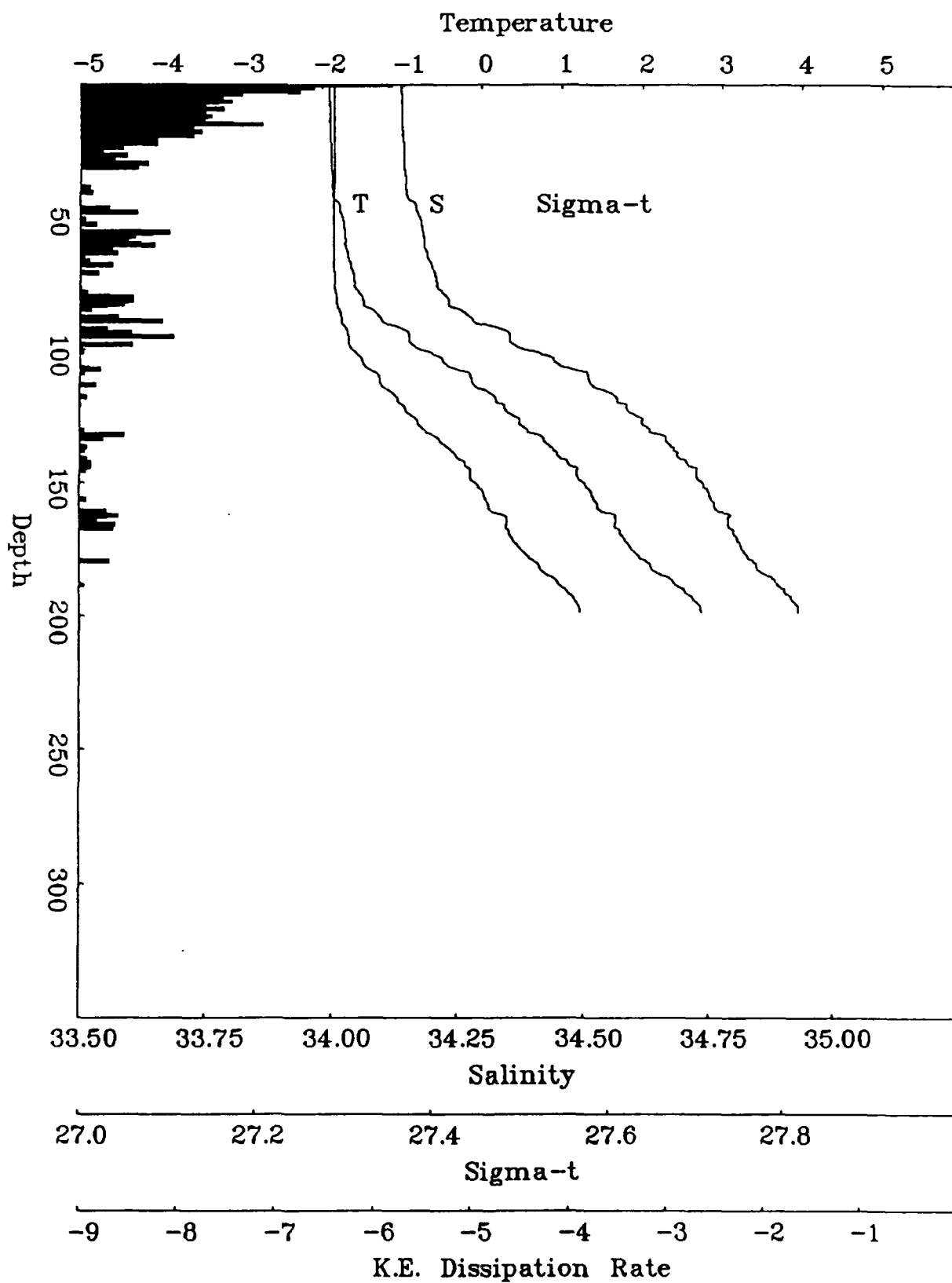
CEAREX Cast 132, JD 92.5471, 13:00, 82.99N, 10.52E



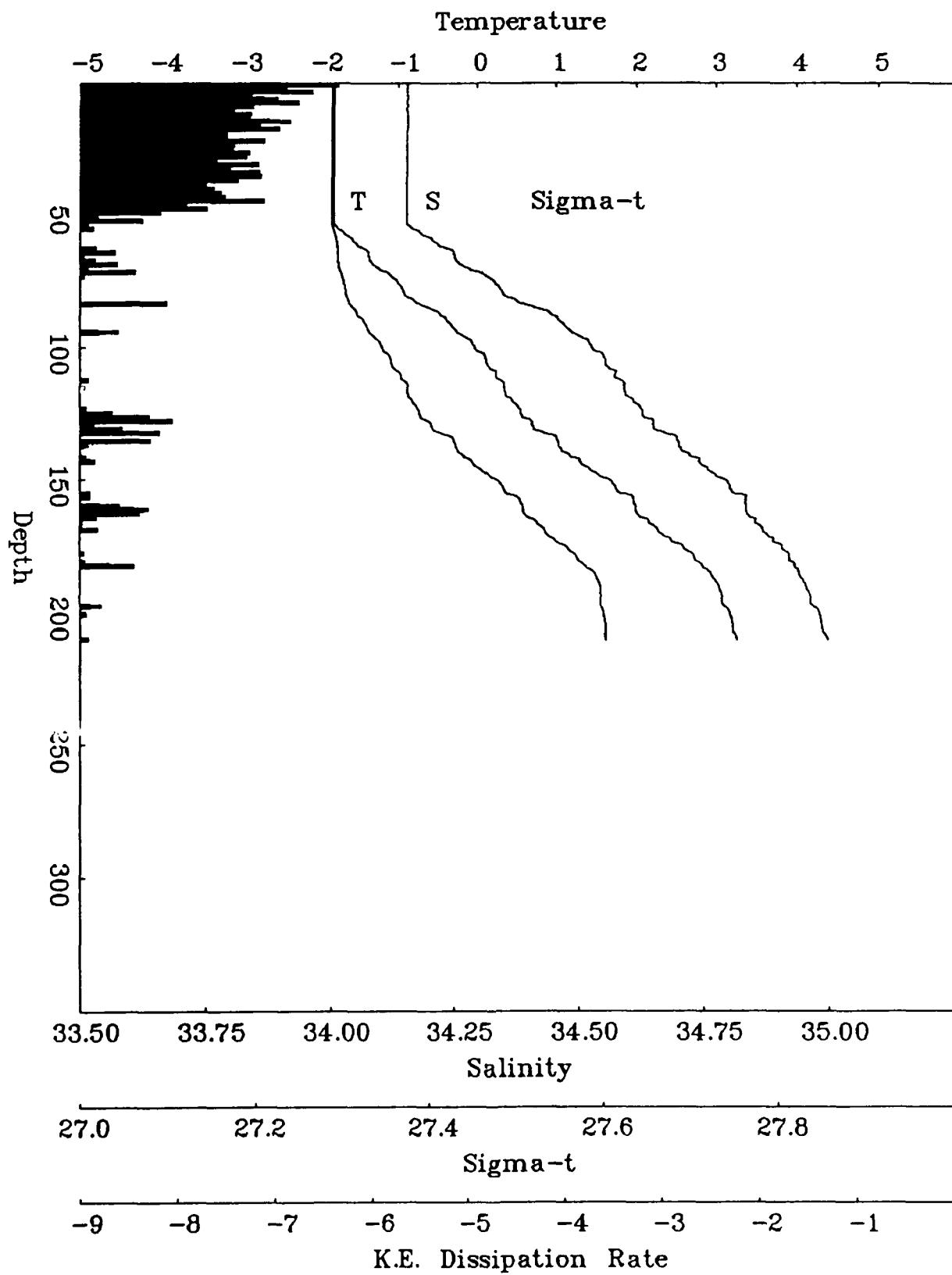
CEAREX Cast 134, JD 92.7264, 17:20, *****N, *****E



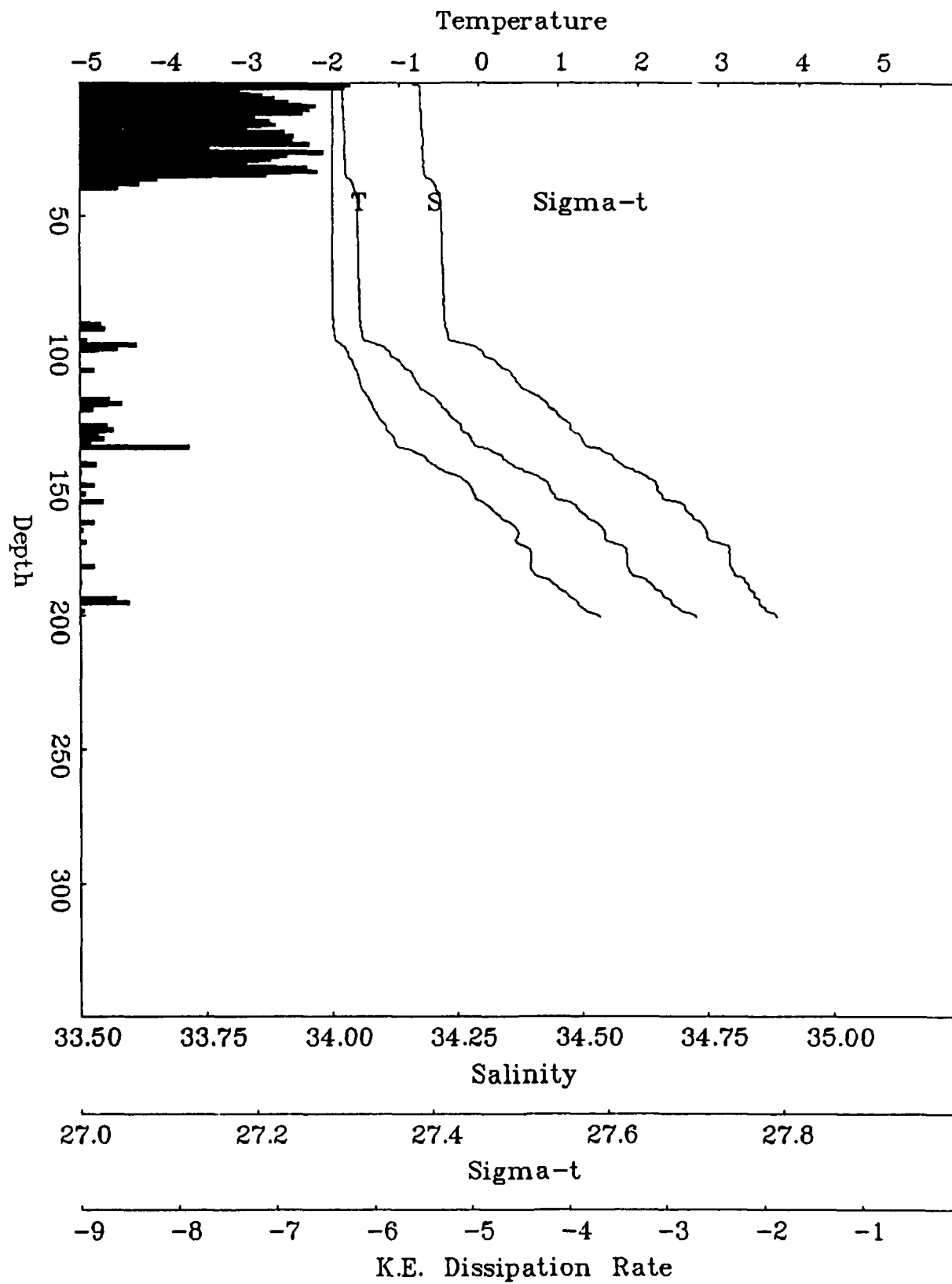
CEAREX Cast 139, JD 92.8387, 20:03, *****N, -7.82E



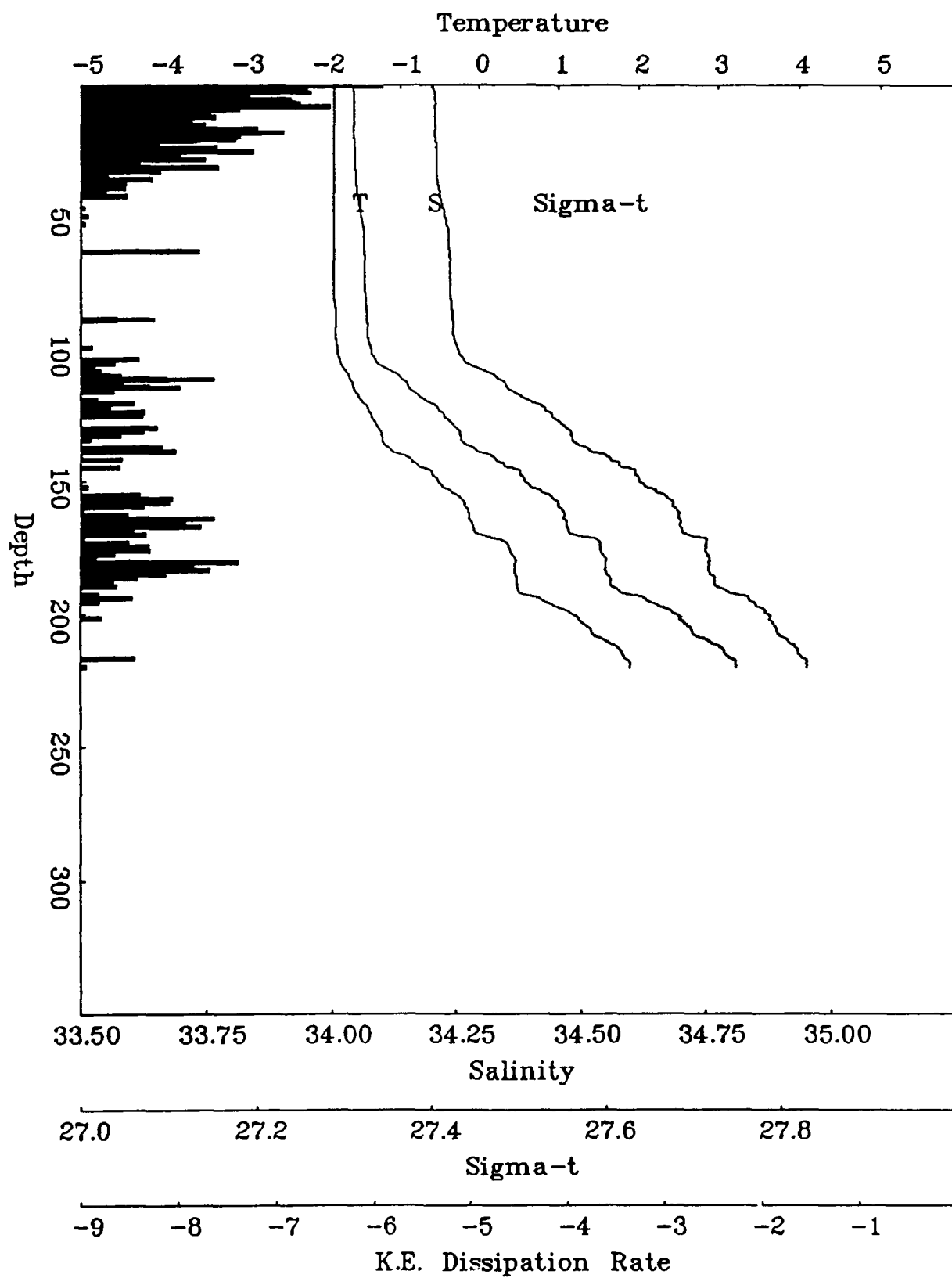
CEAREX Cast 155, JD 92.9575, 22:54, 82.95N, 10.57E



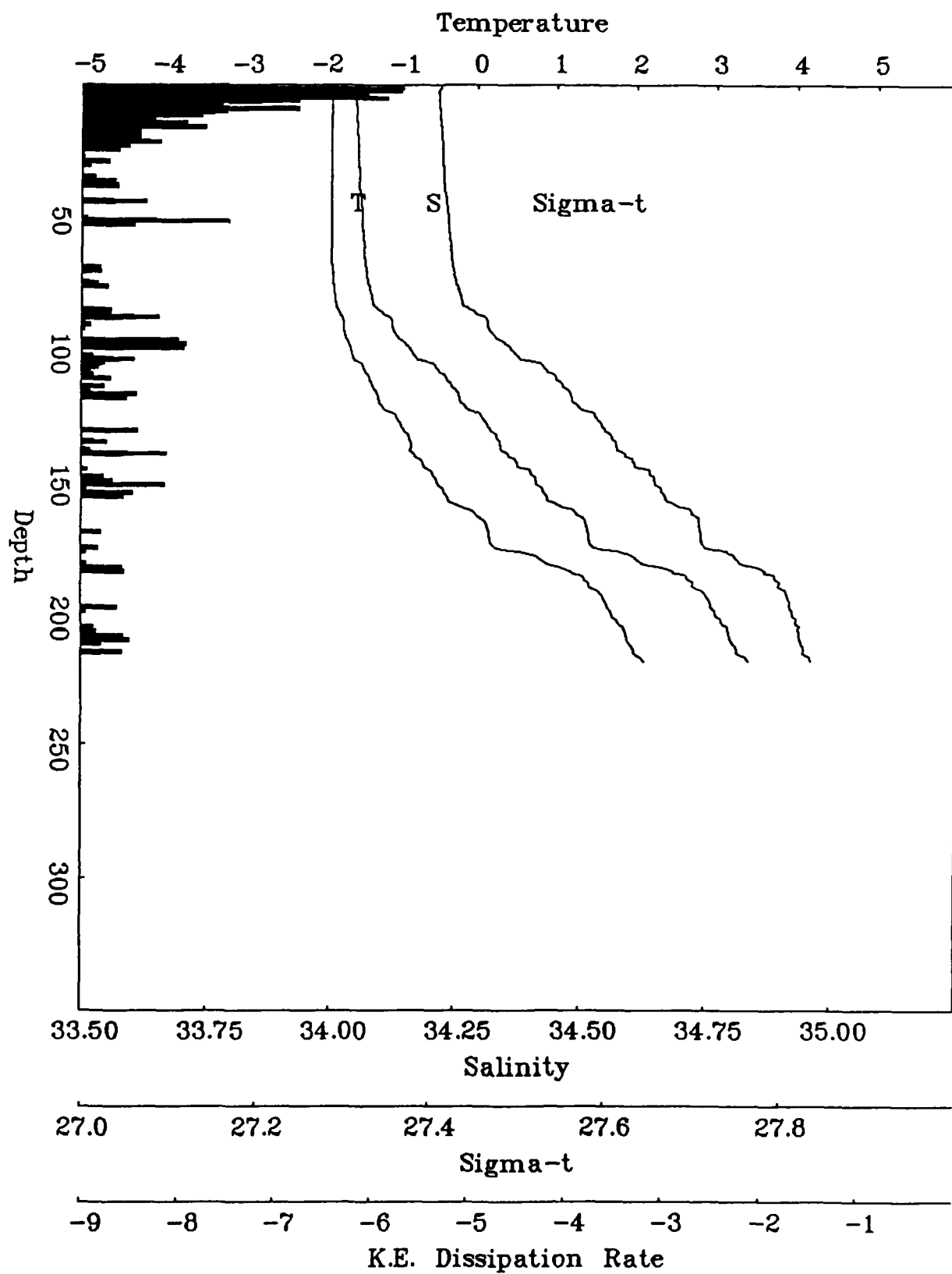
CEAREX Cast 157, JD 93.4051, 09:38, 82.91N, 10.61E



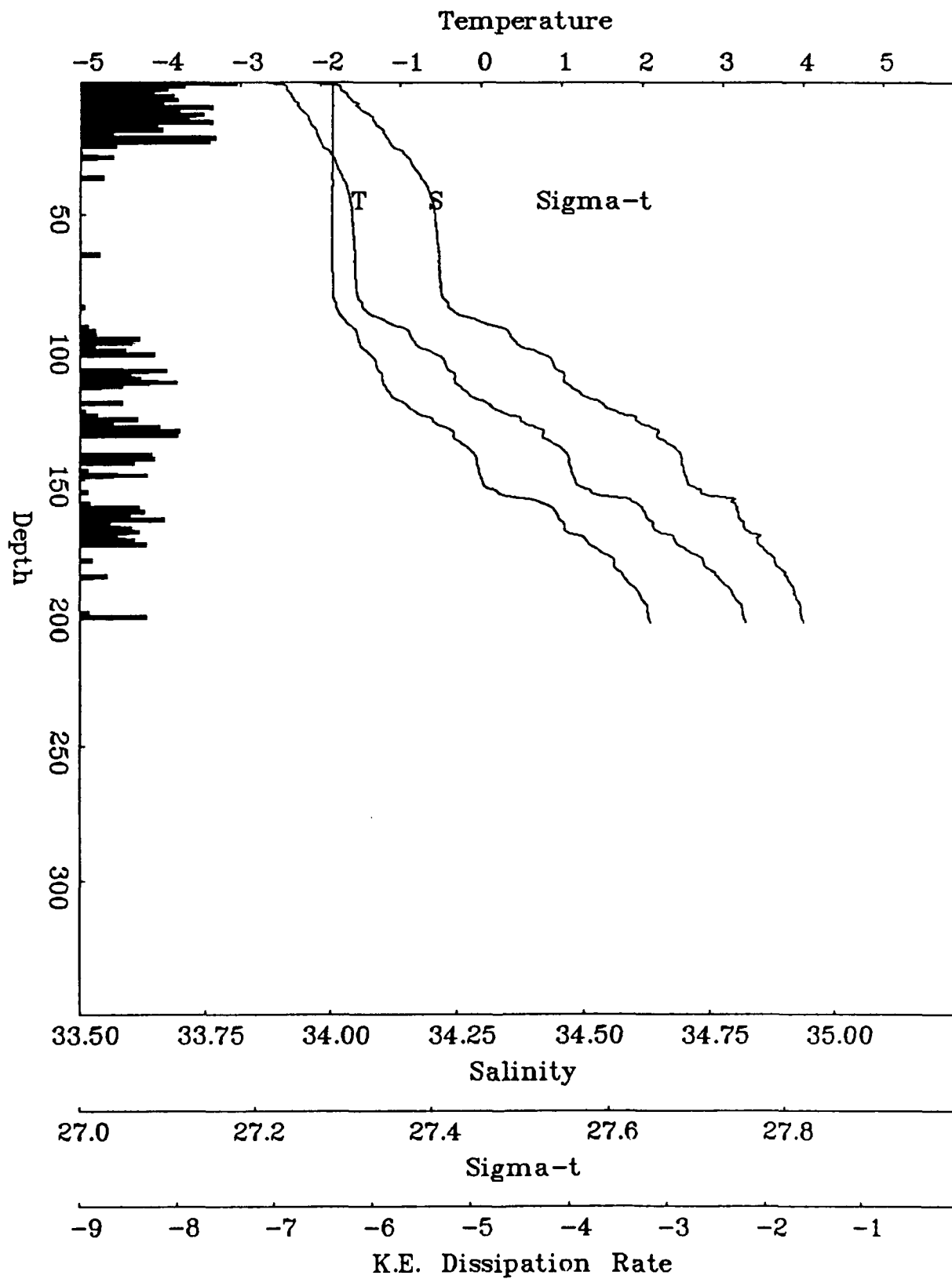
CEAREX Cast 168, JD 93.5041, 12:00, 82.91N, 10.62E



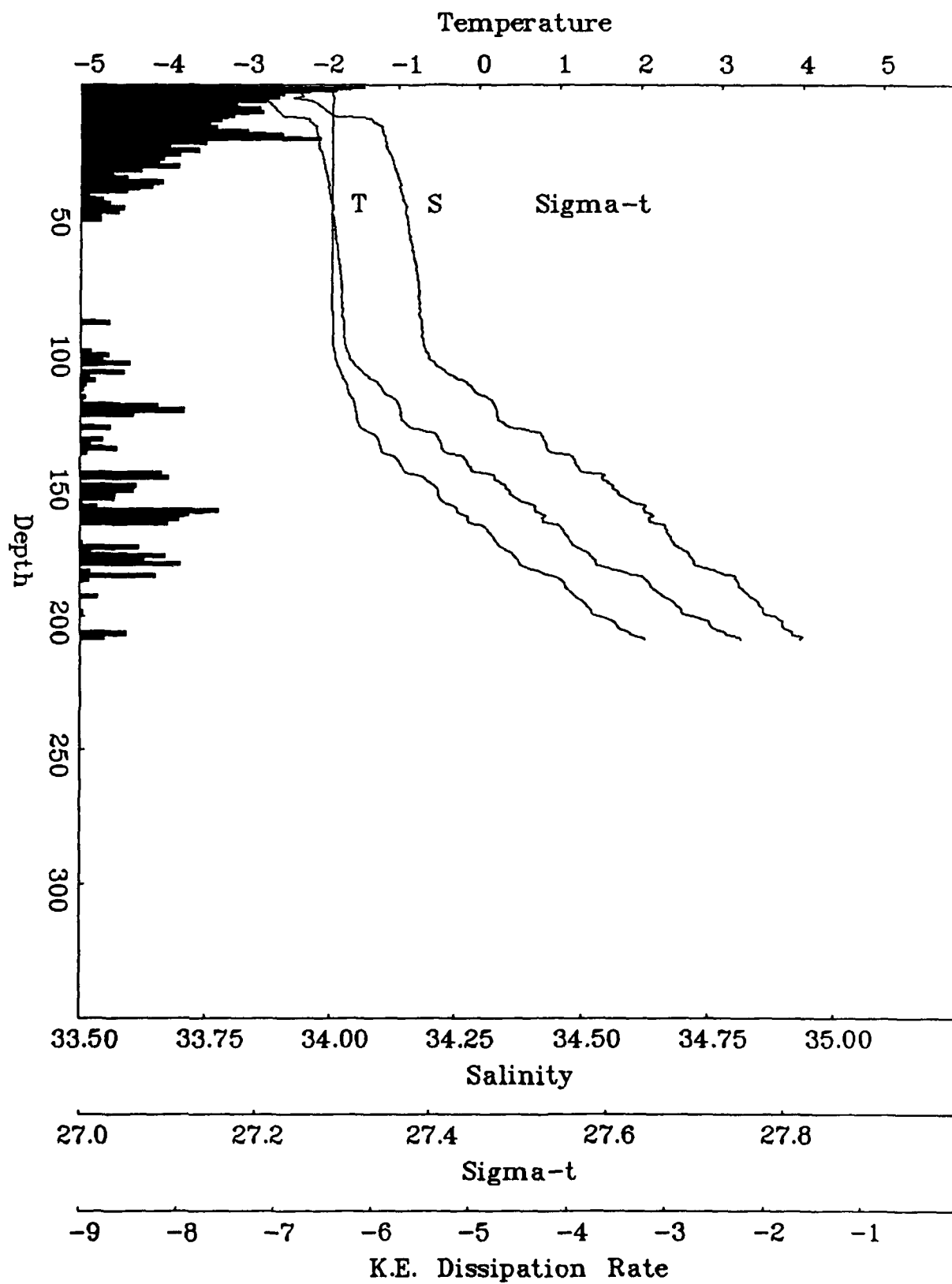
CEAREX Cast 186, JD 93.6734, 16:04, 82.90N, 10.61E



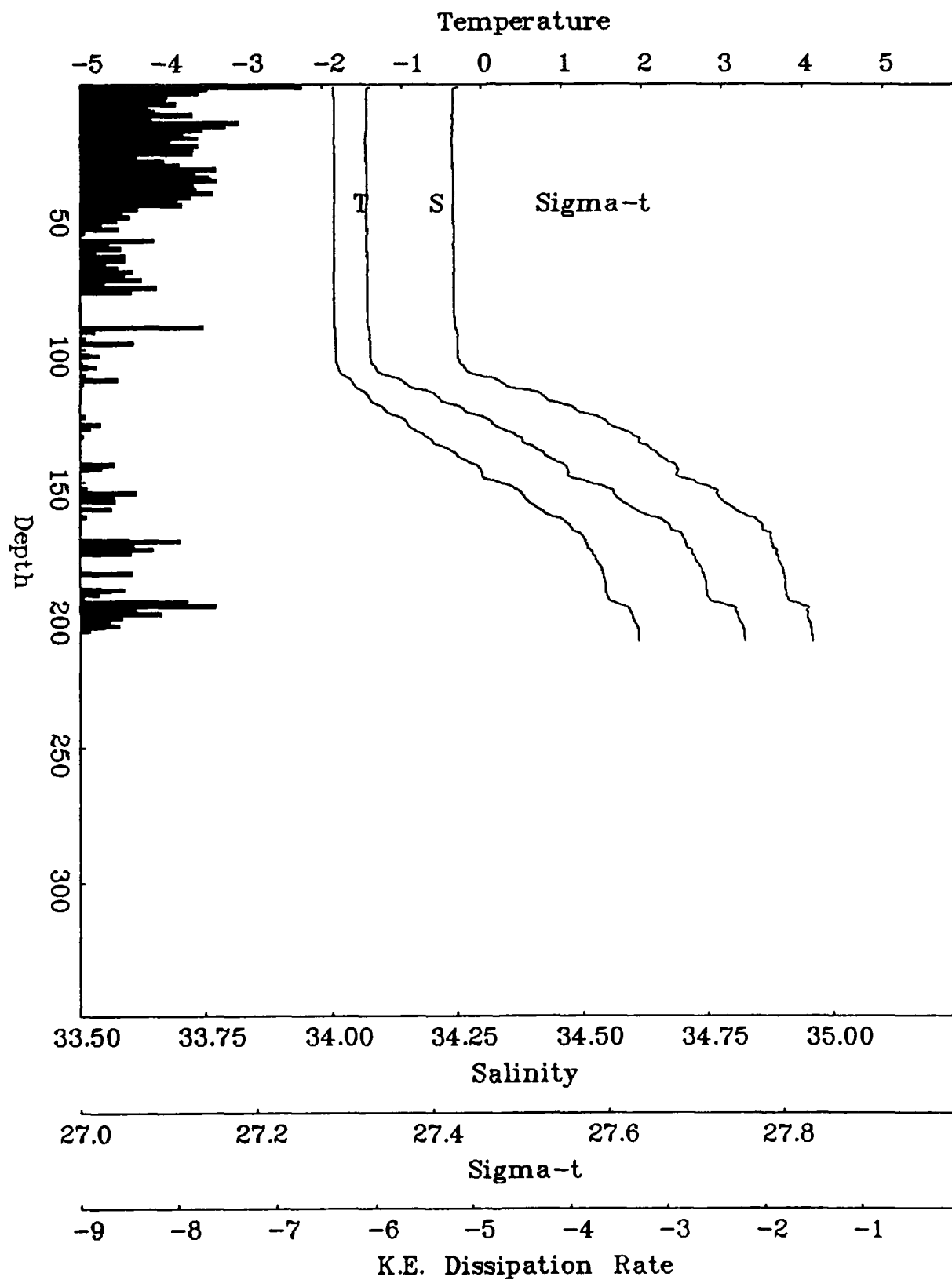
CEAREX Cast 196, JD 93.8947, 21:23, 82.89N, 10.65E



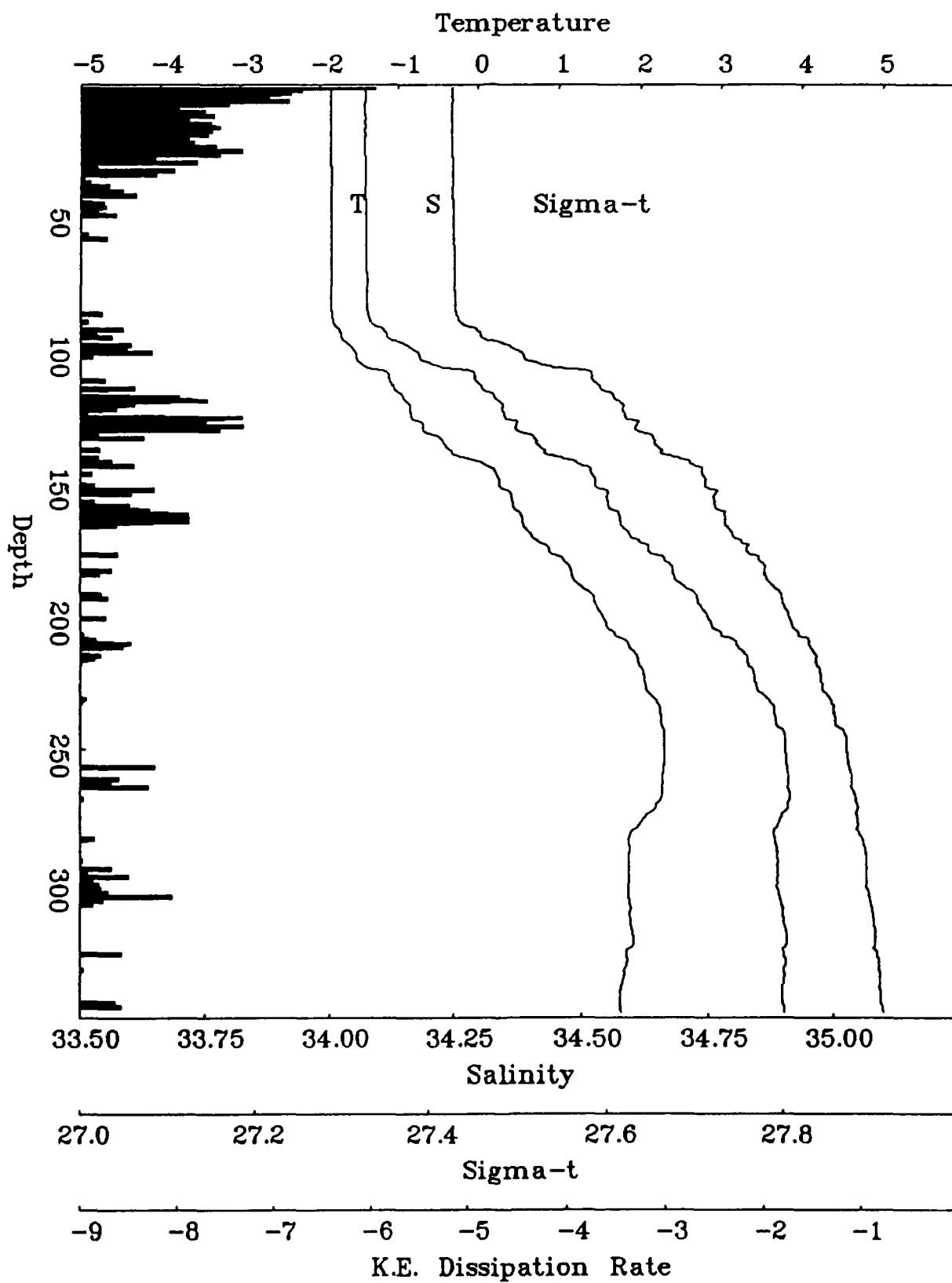
CEAREX Cast 198, JD 94.3371, 08:00, 82.88N, 10.63E



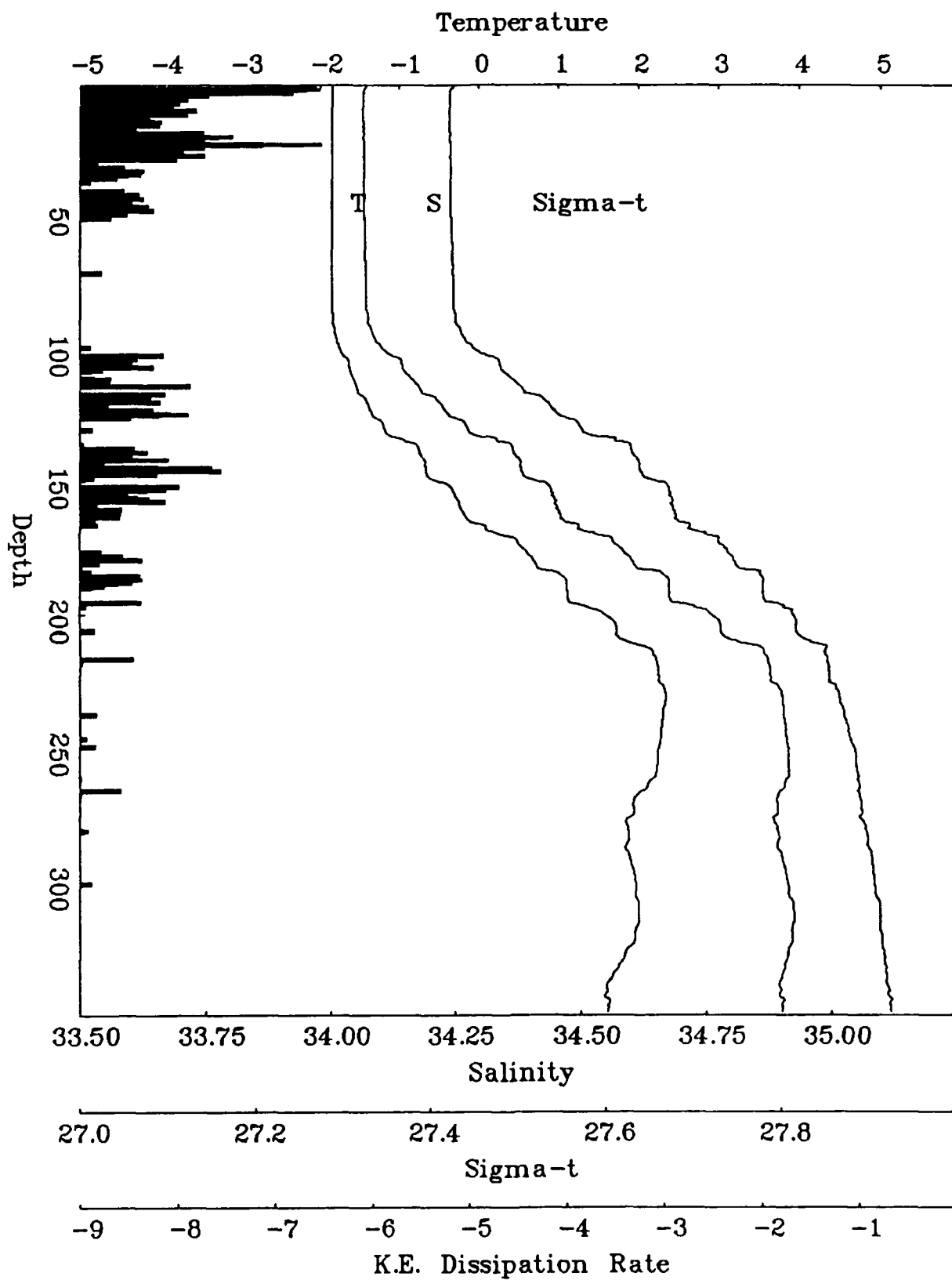
CEAREX Cast 202, JD 94.5318, 12:41, 82.88N, 10.62E



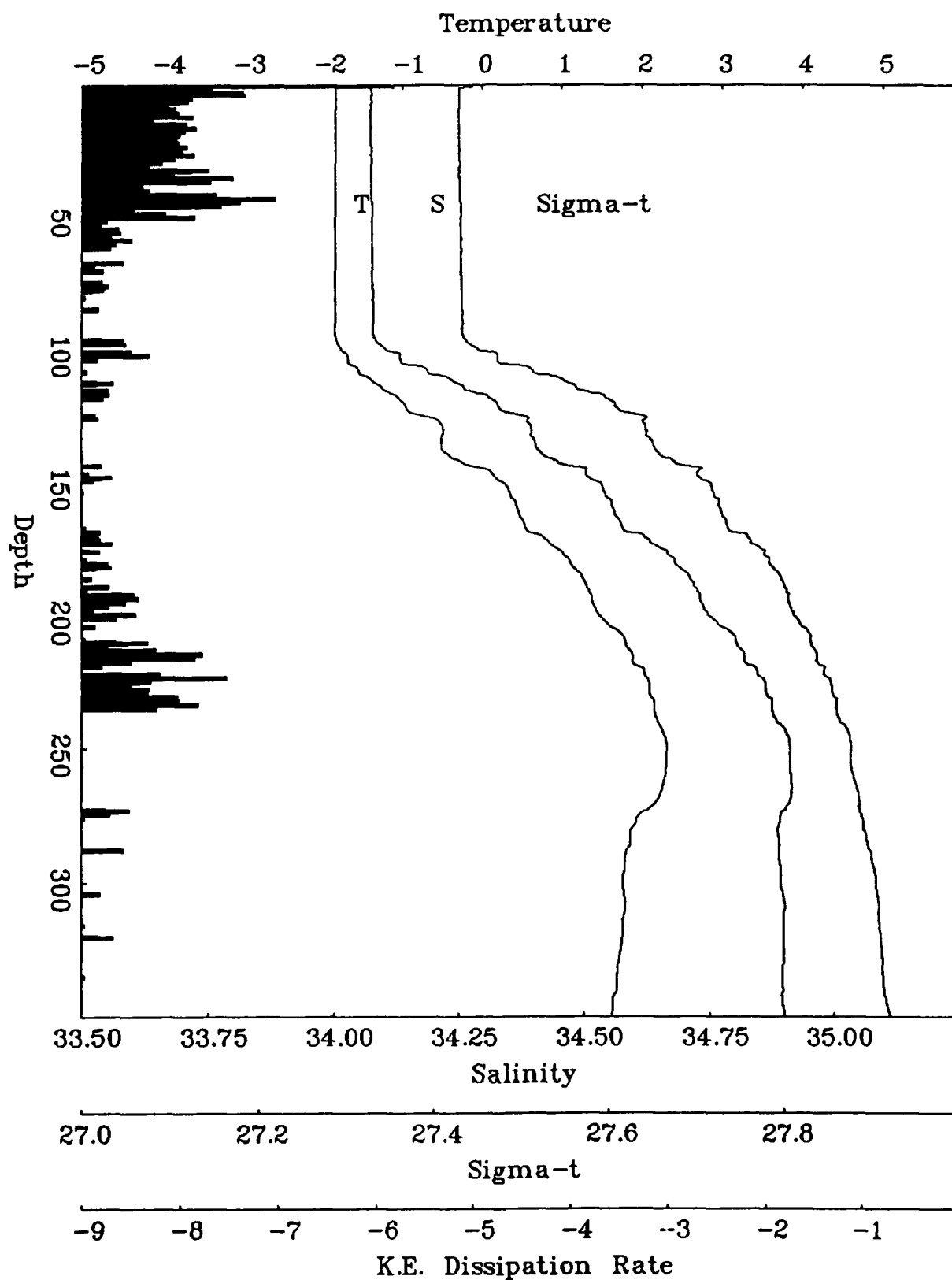
CEAREX Cast 208, JD 94.6687, 15:55, 82.88N, 10.62E



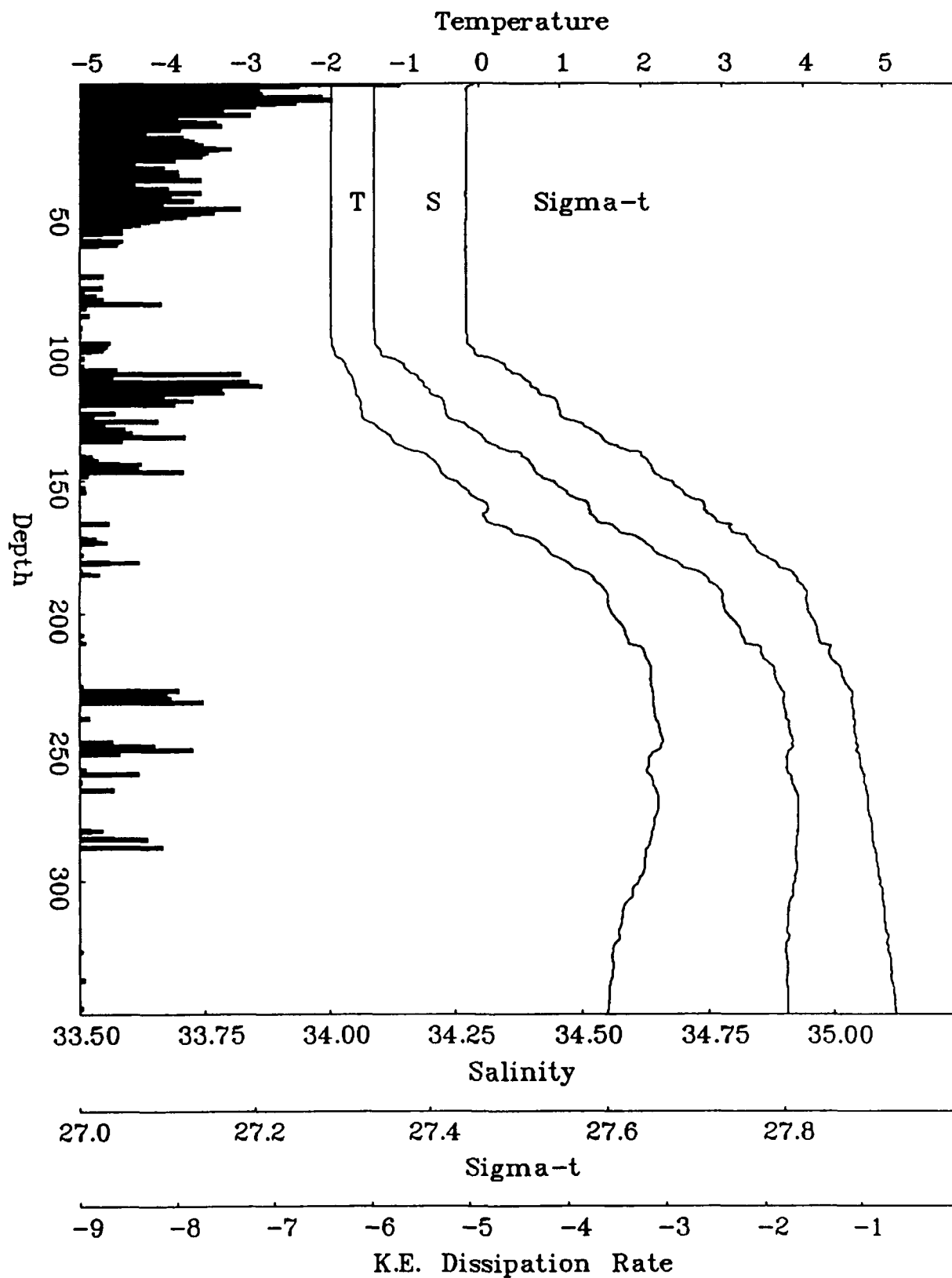
CEAREX Cast 219, JD 94.8408, 20:02, 82.87N, 10.62E



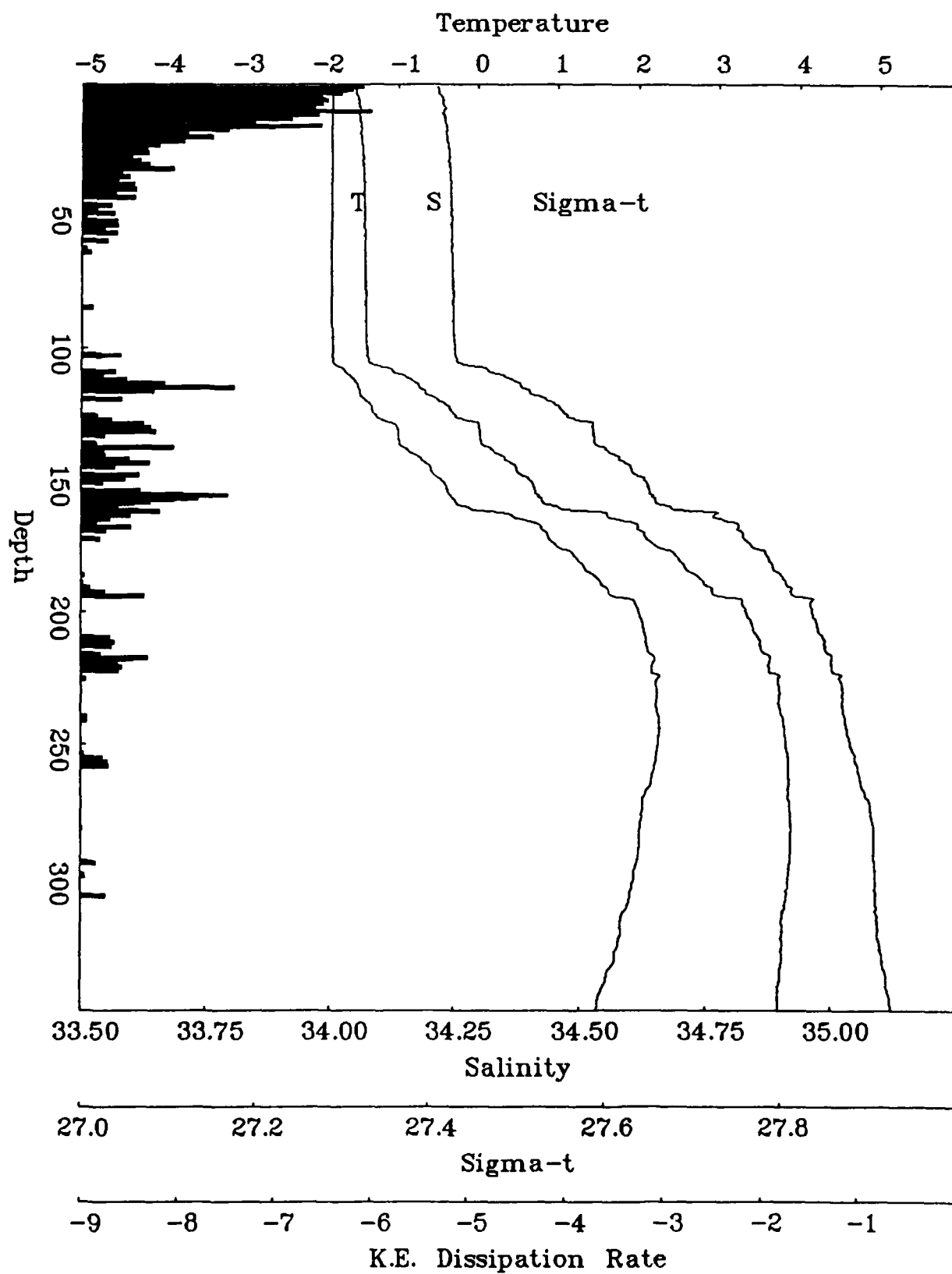
CEAREX Cast 231, JD 95.0111, 00:08, 82.86N, 10.62E



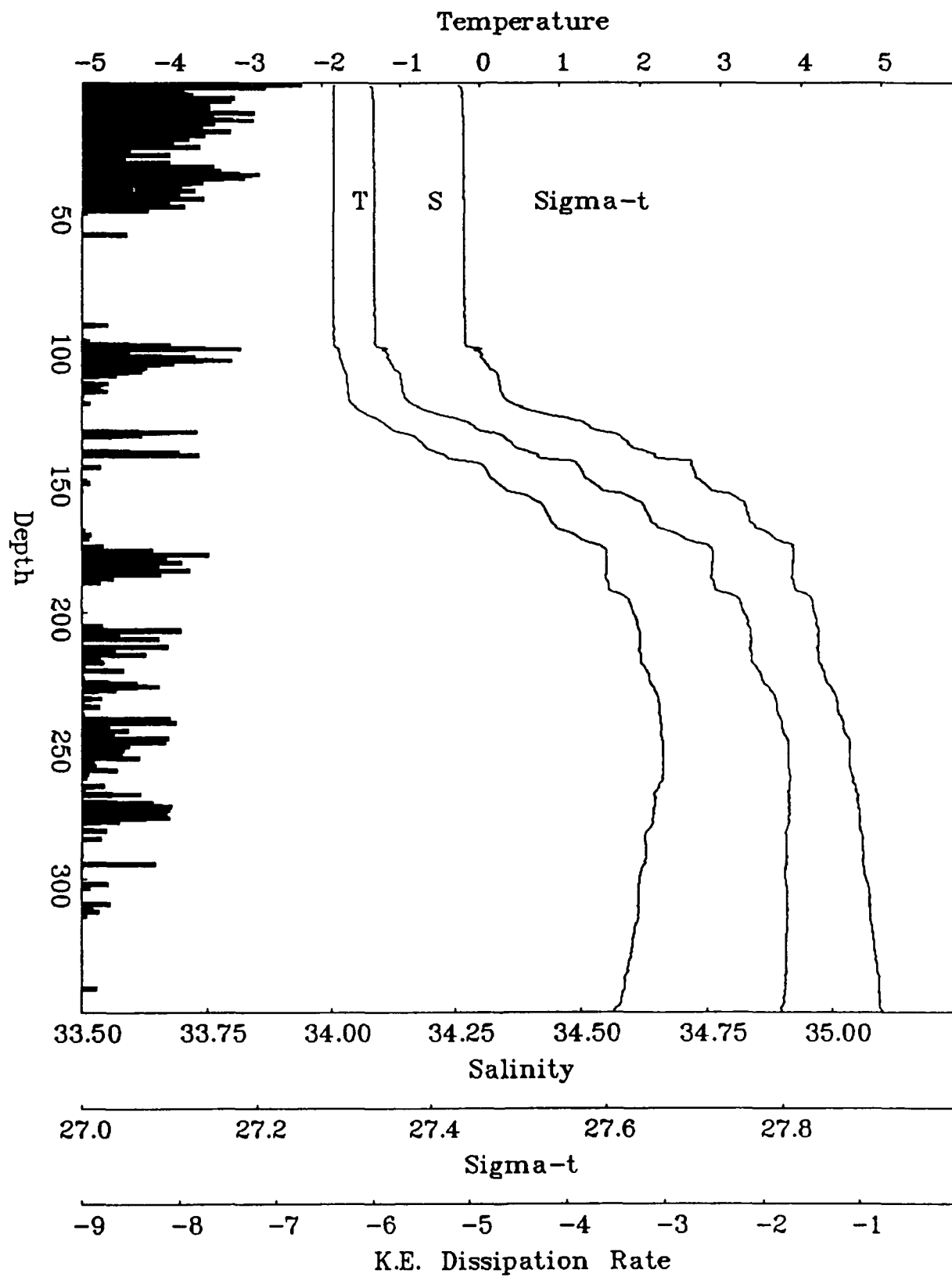
CEAREX Cast 241, JD 95.1824, 04:14, 82.87N, 10.60E



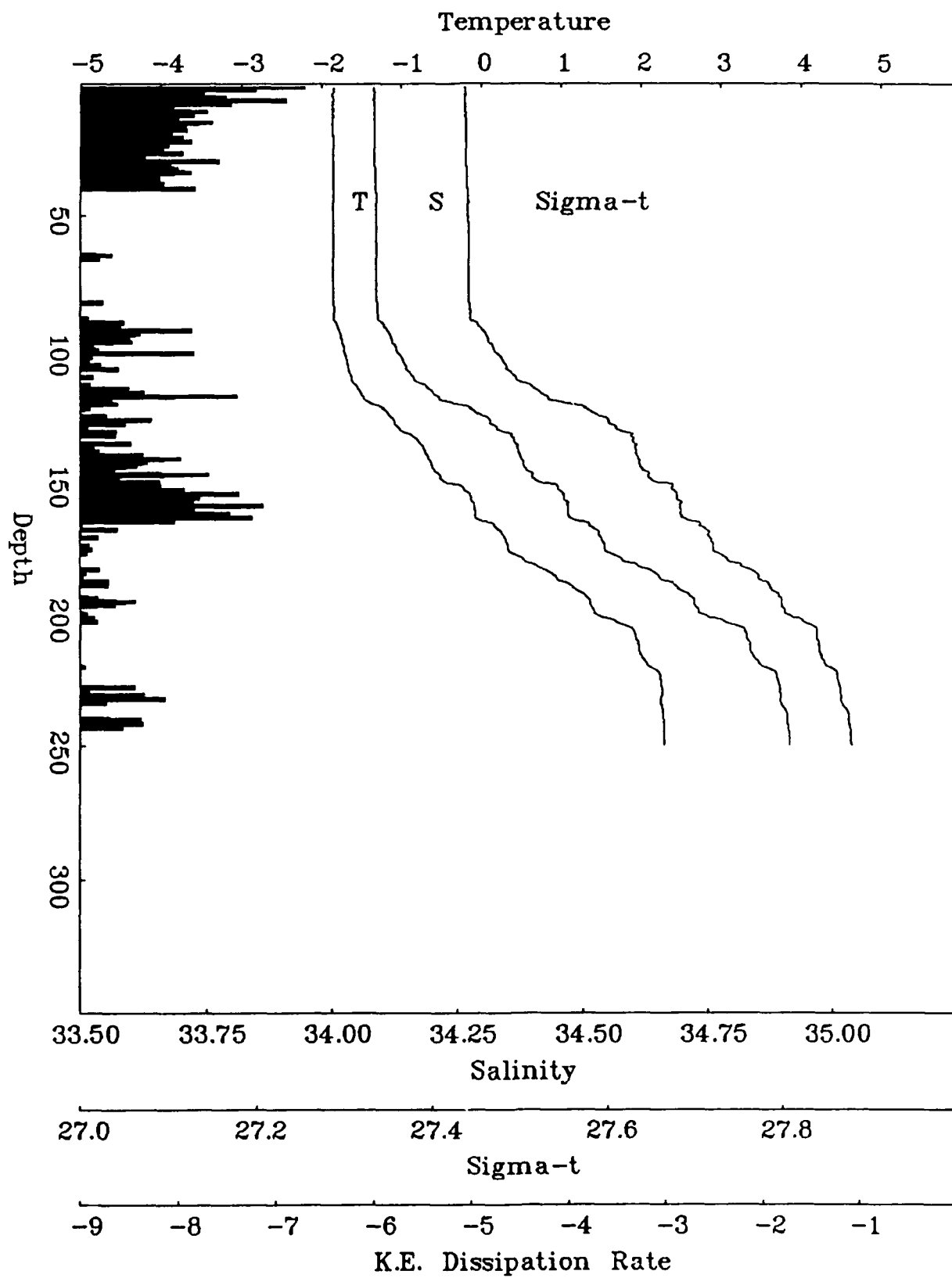
CEAREX Cast 250, JD 95.3434, 08:06, 82.86N, 10.57E



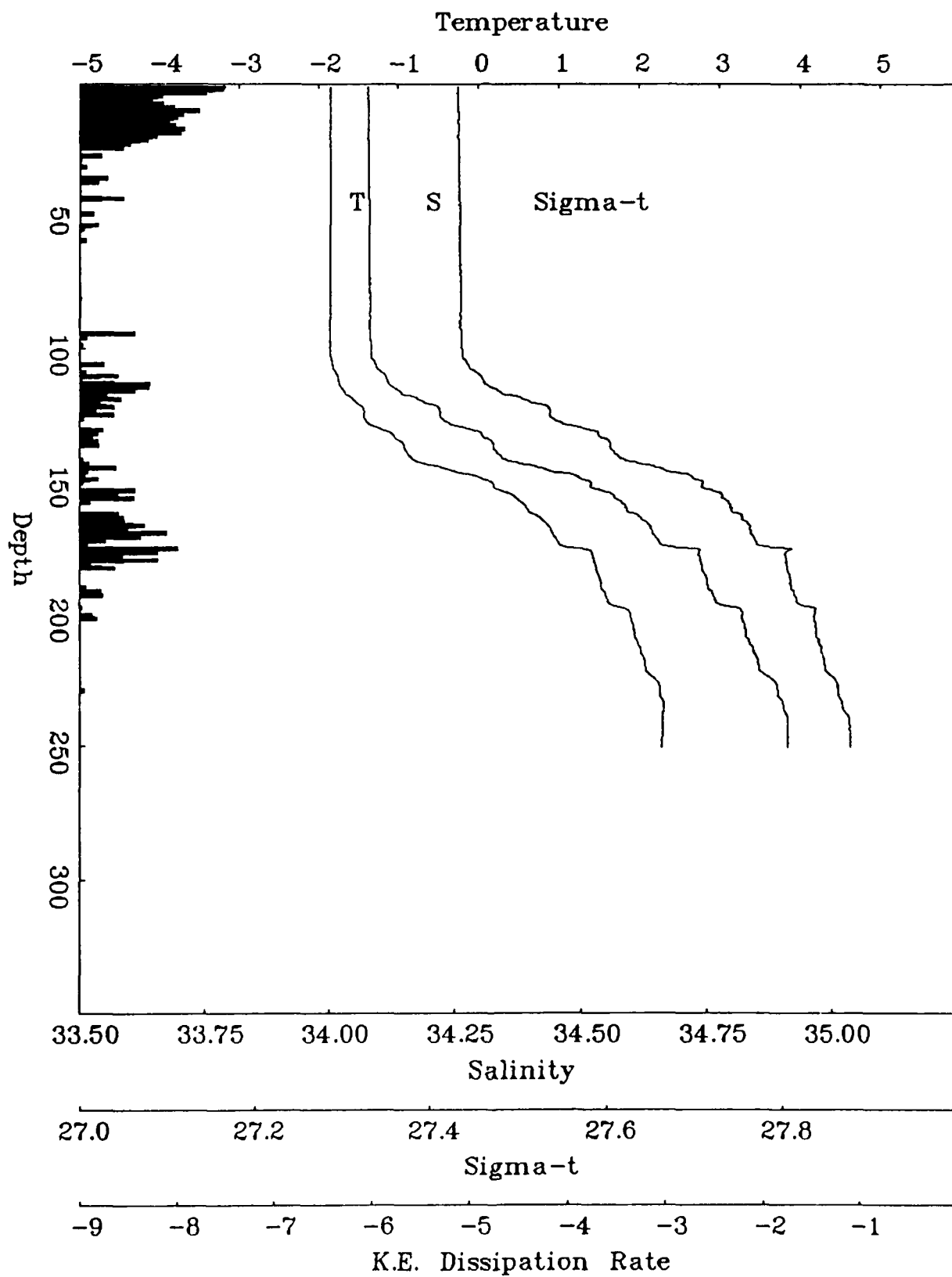
CEAREX Cast 263, JD 95.5100, 12:06, 82.86N, 10.58E



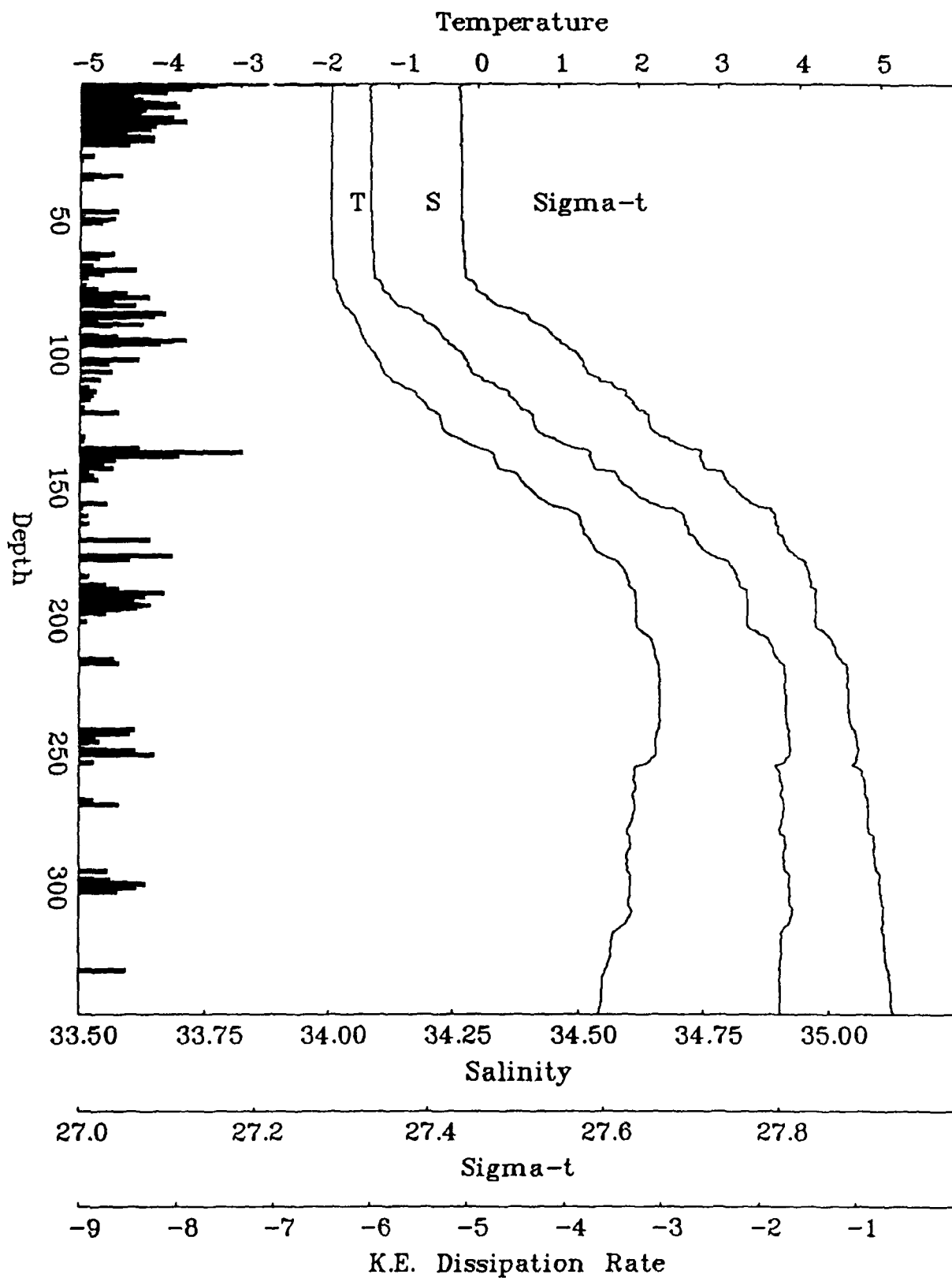
CEAREX Cast 277, JD 95.6533, 15:35, 82.86N, 10.61E



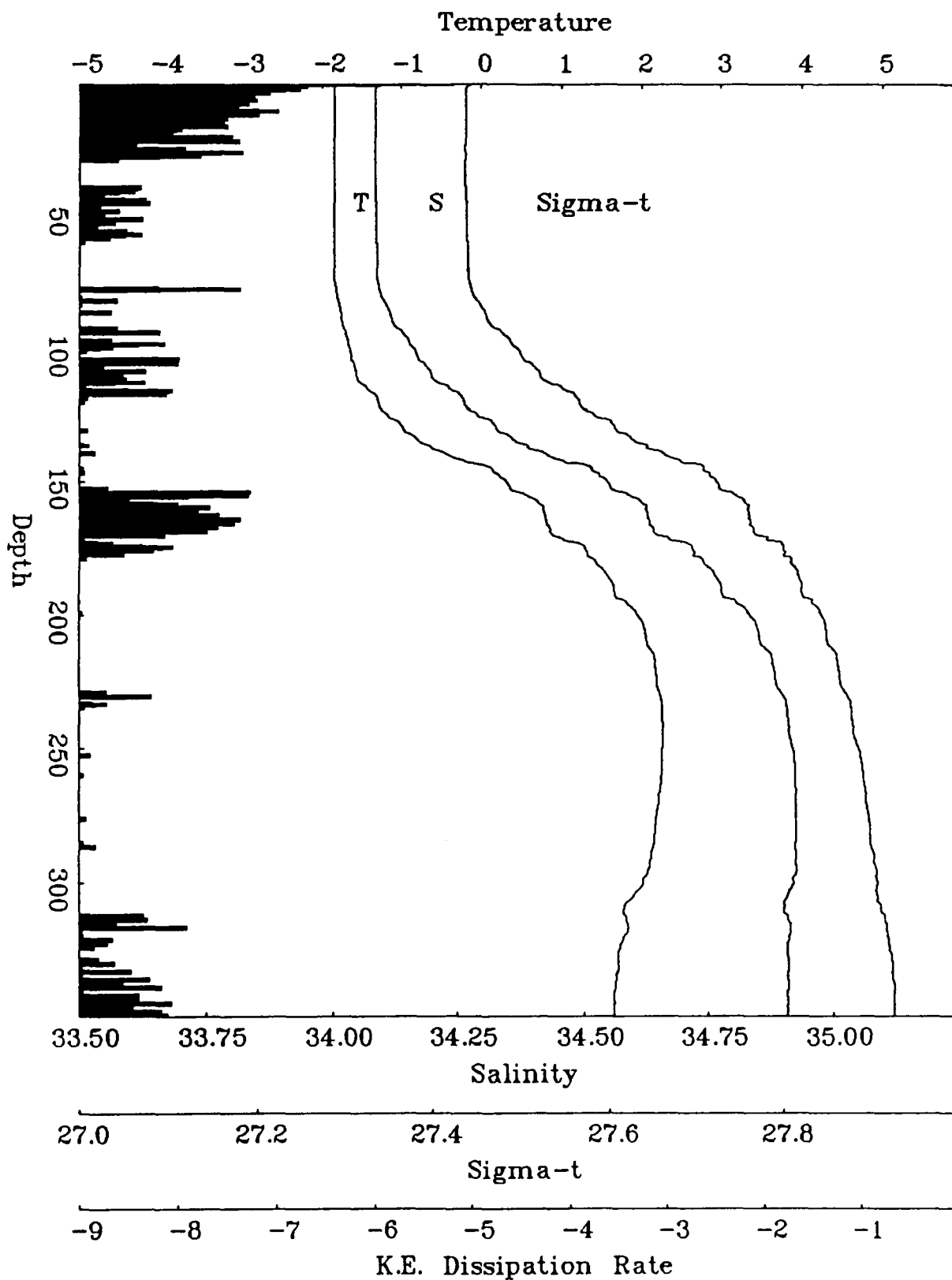
CEAREX Cast 291, JD 95.8373, 19:59, 82.86N, 10.58E



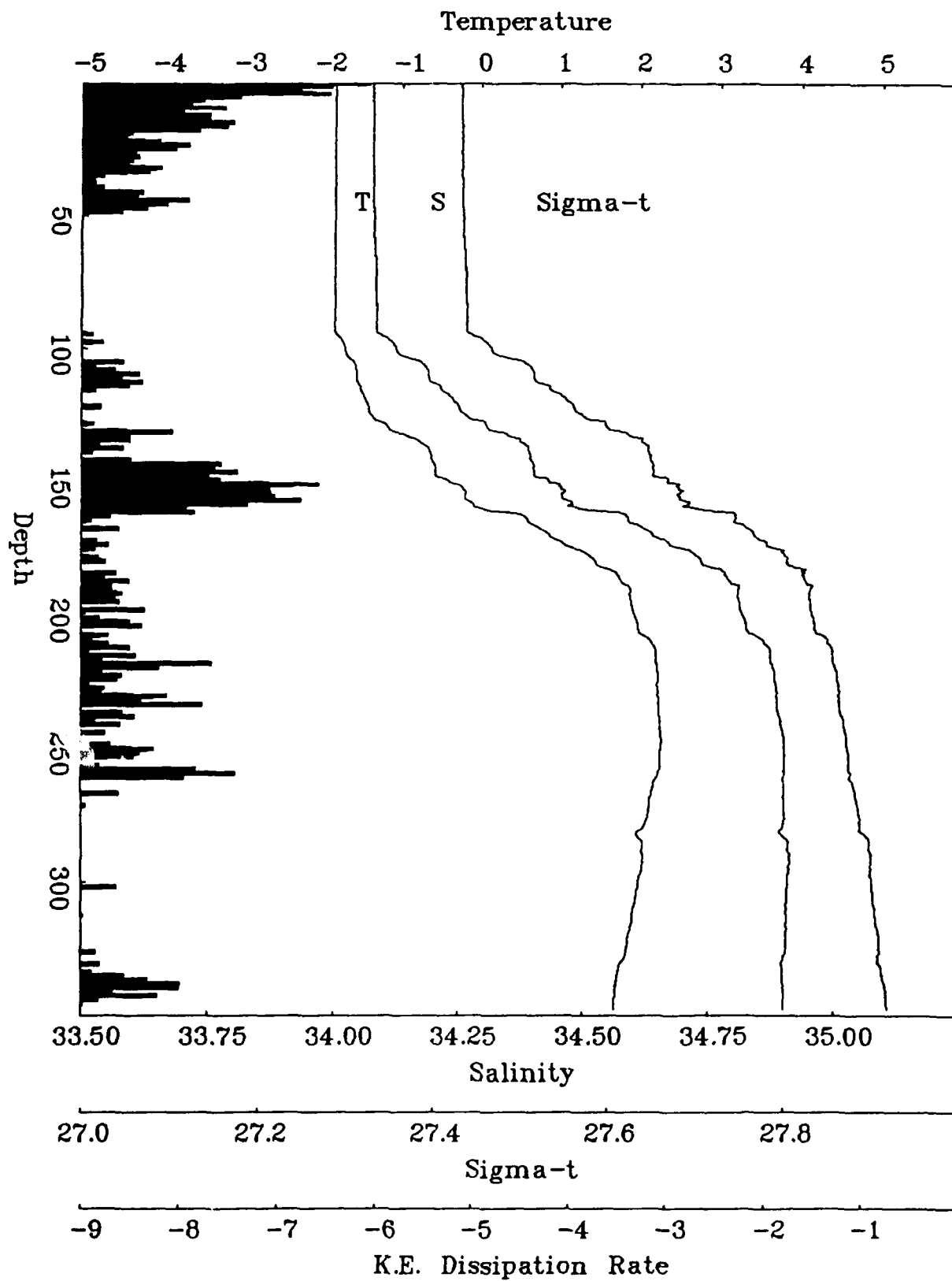
CEAREX Cast 305, JD 96.0041, 23:57, 82.85N, 10.56E



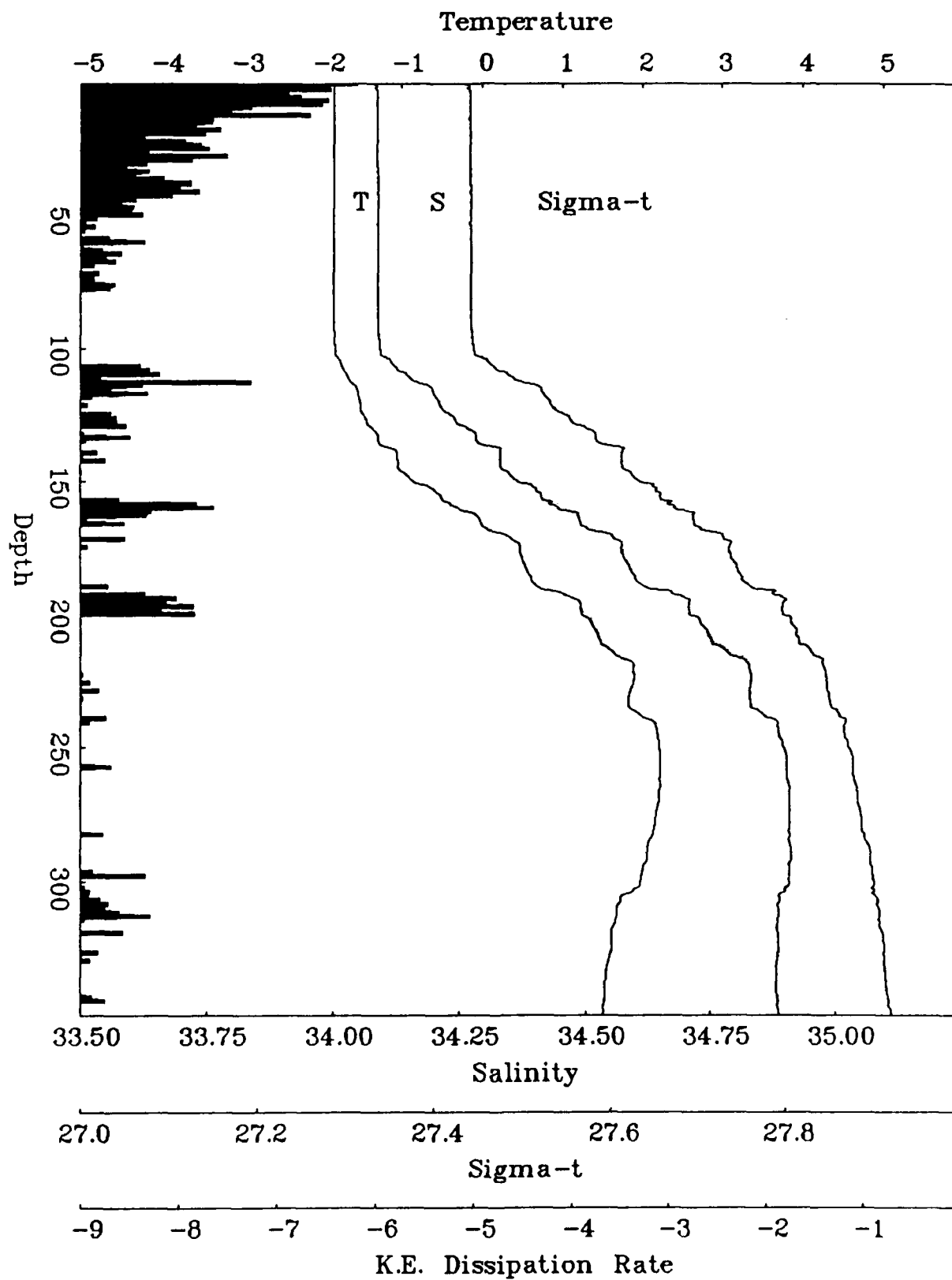
CEAREX Cast 315, JD 96.1721, 03:59, 82.85N, 10.57E



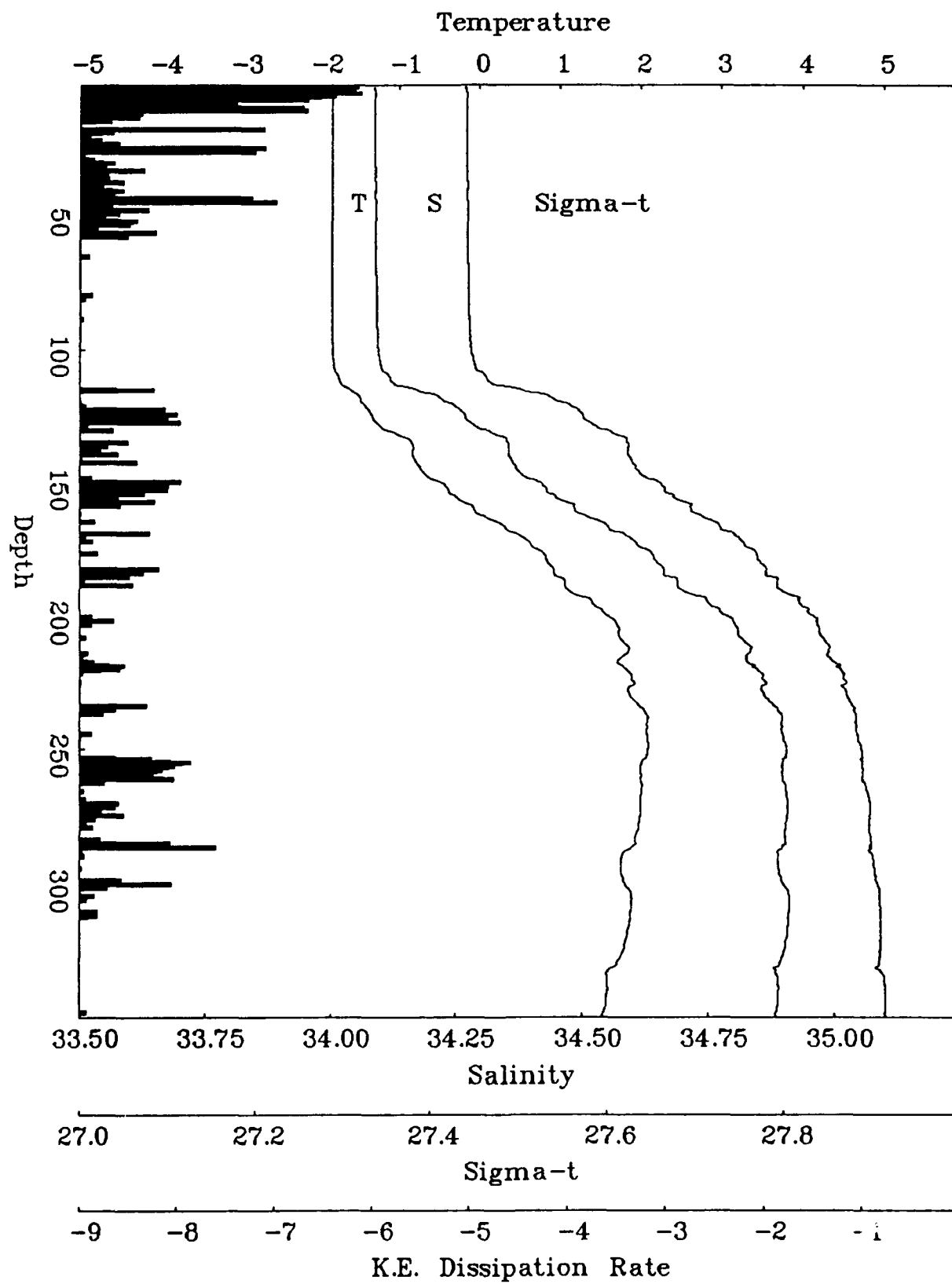
CEAREX Cast 326, JD 96.3367, 07:57, 82.84N, 10.54E



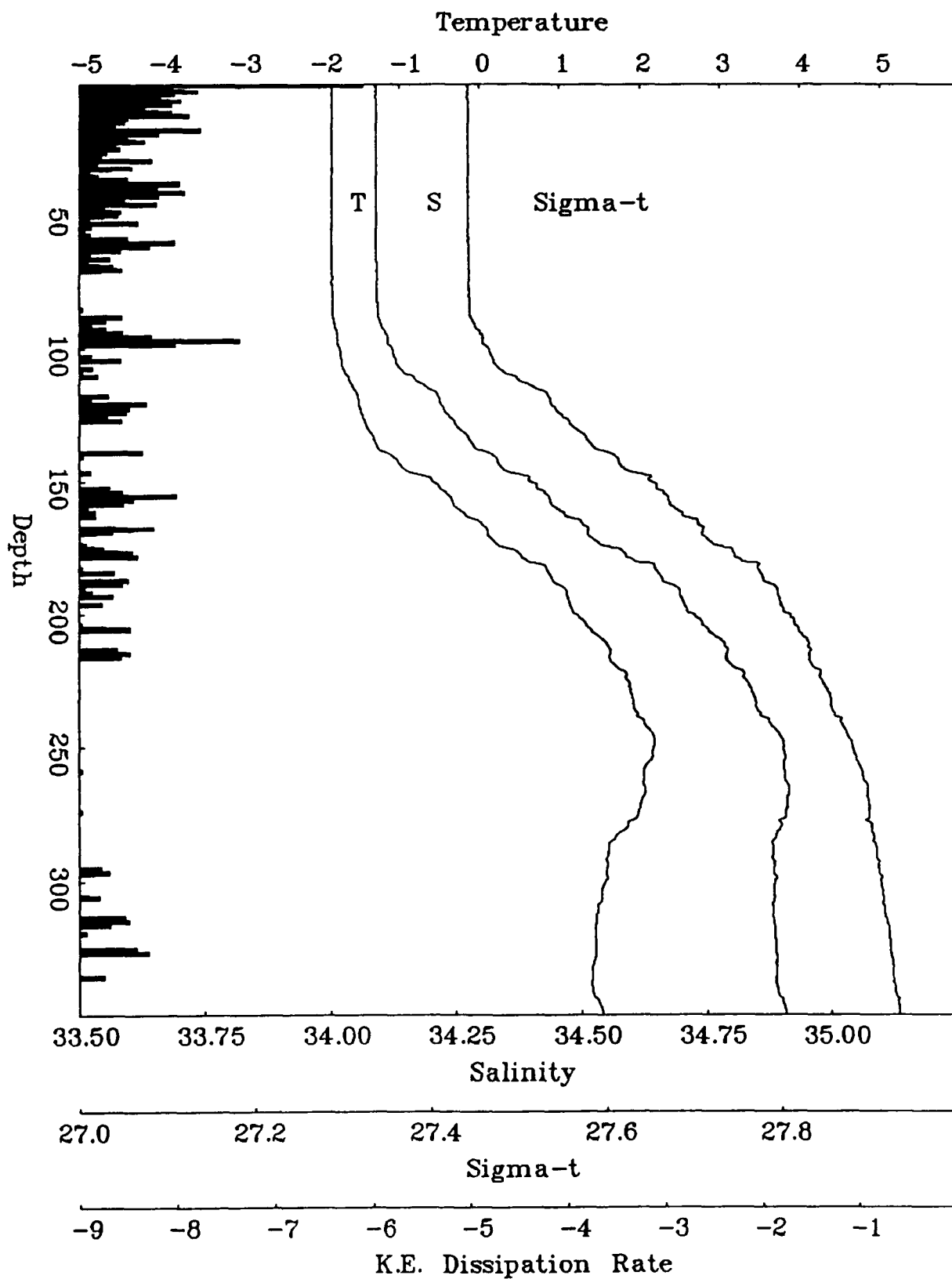
CEAREX Cast 339, JD 96.5051, 11:59, 82.83N, 10.50E



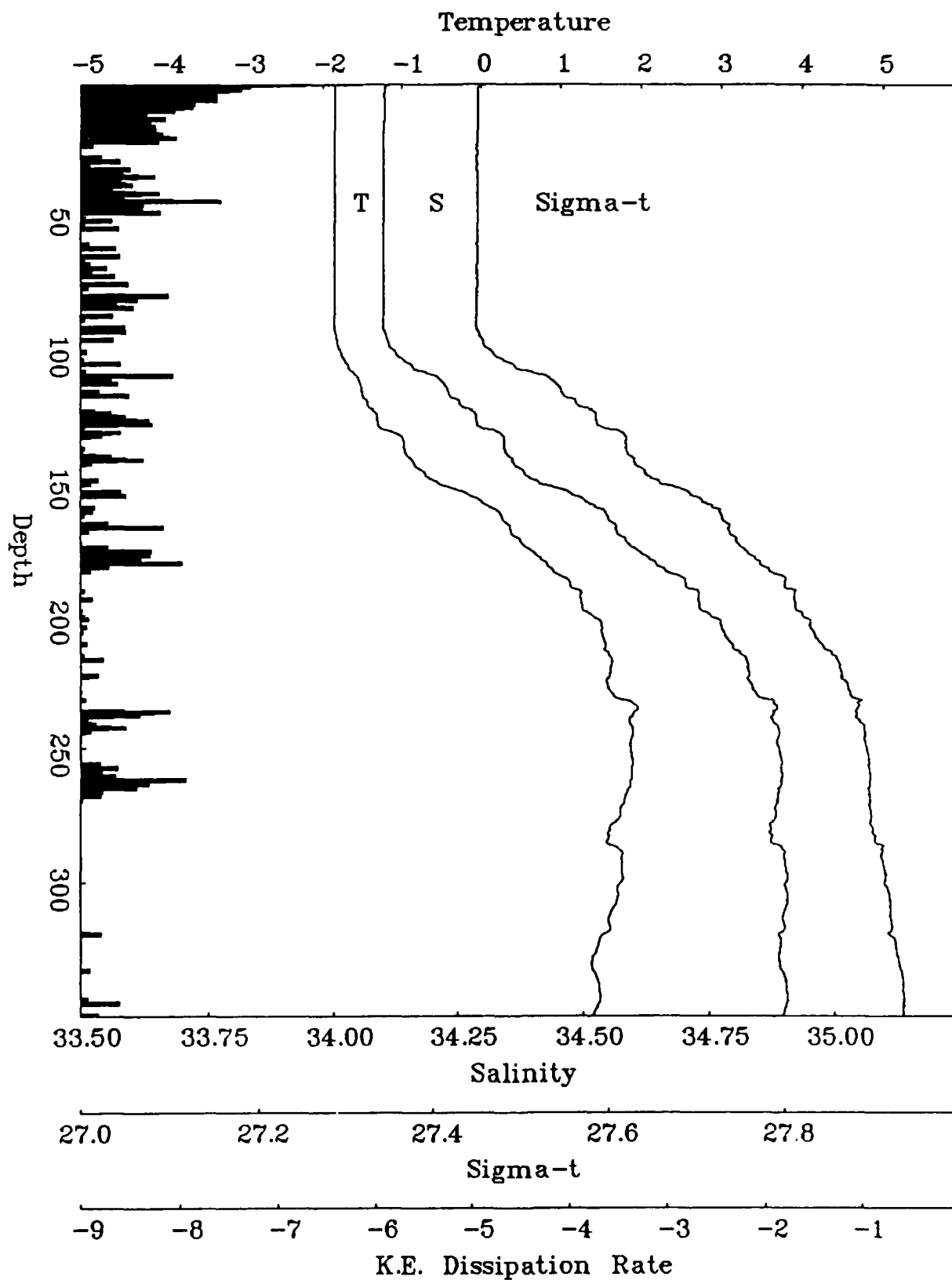
CEAREX Cast 353, JD 96.6704, 15:57, 82.83N, 10.49E



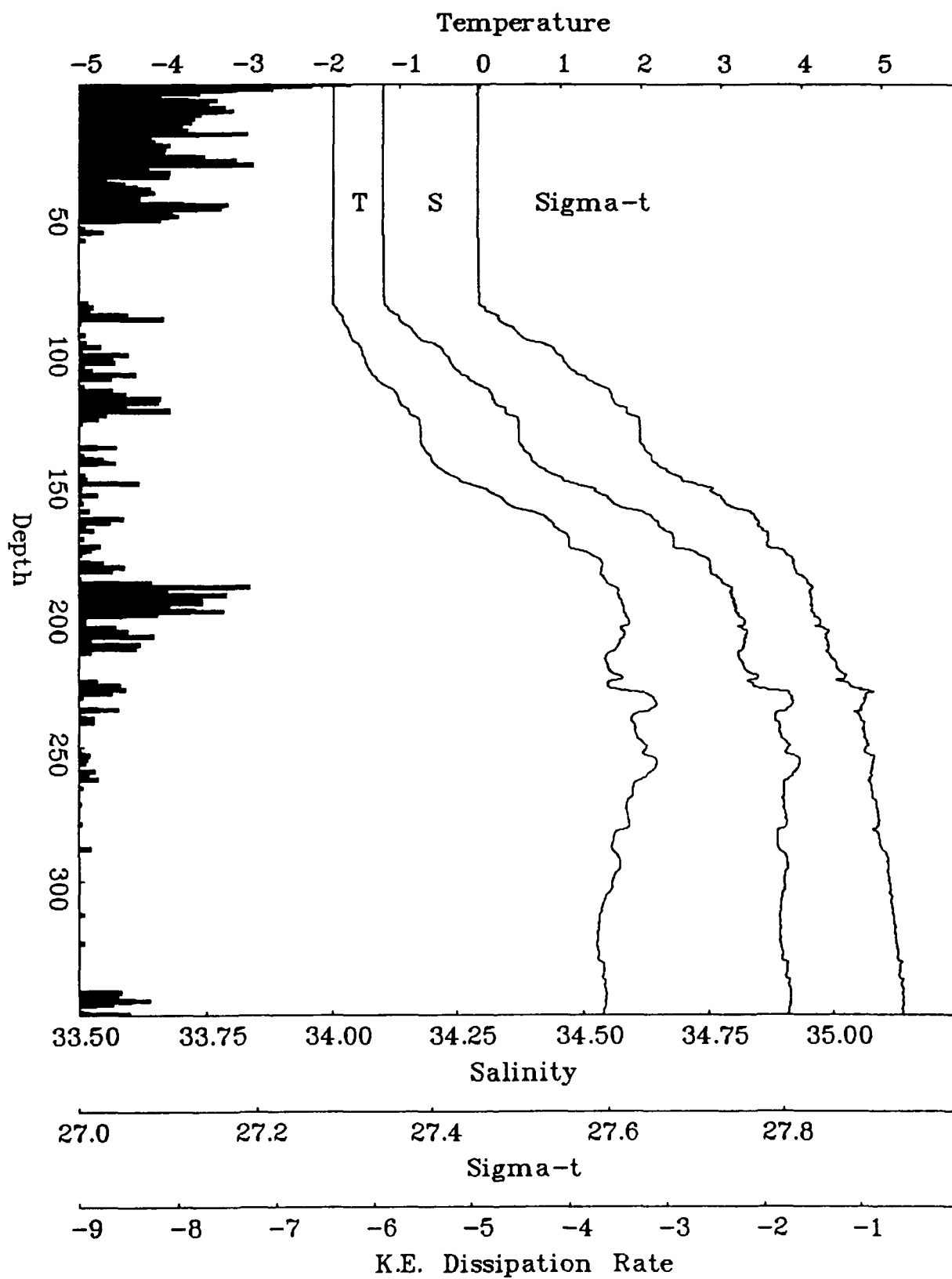
CEAREX Cast 364, JD 96.8429, 20:05, 82.82N, 10.47E



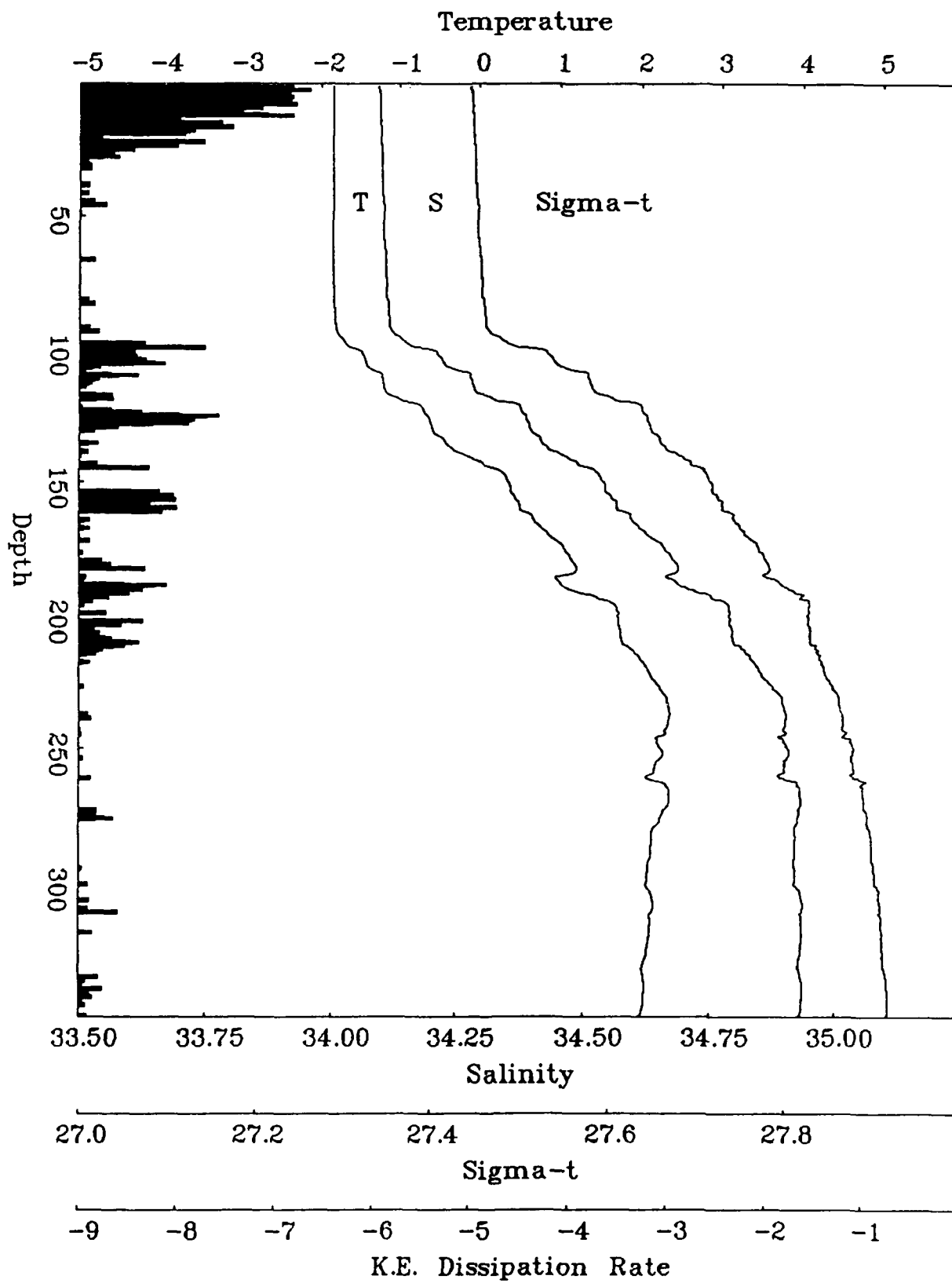
CEAREX Cast 376, JD 97.0062, 00:01, 82.81N, 10.47E



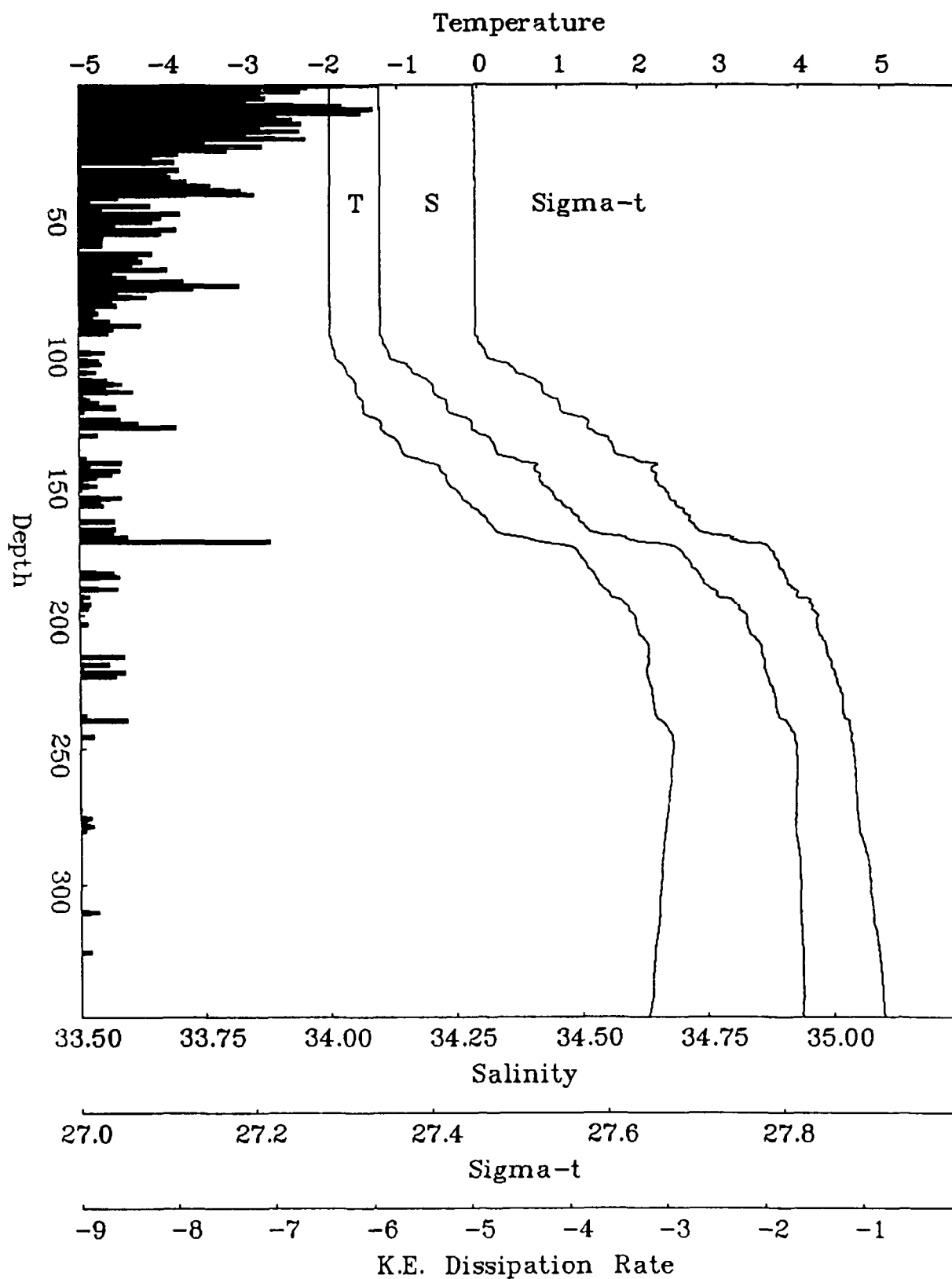
CEAREX Cast 385, JD 97.1717, 03:59, 82.80N, 10.49E



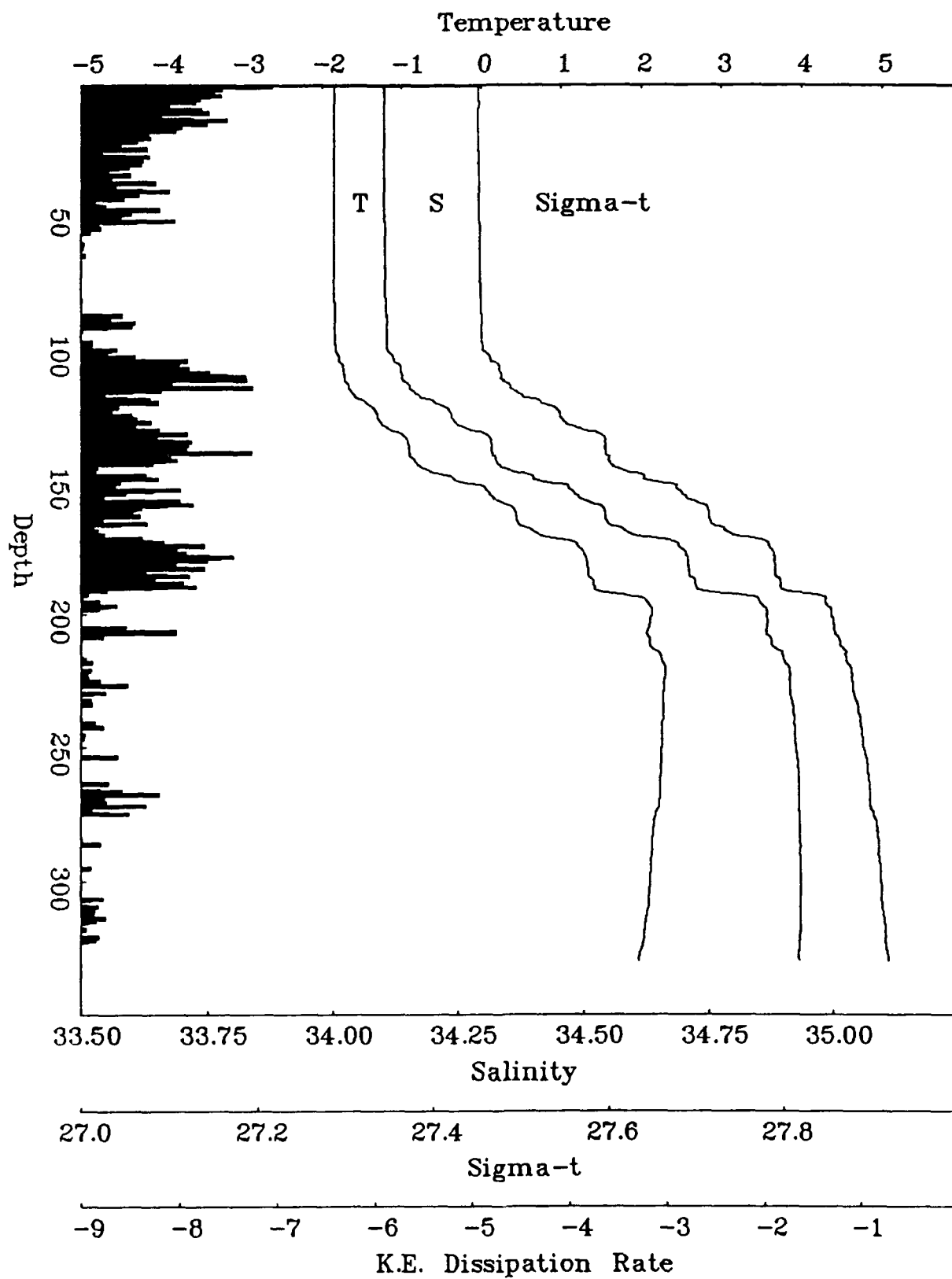
CEAREX Cast 397, JD 97.3351, 07:54, 82.80N, 10.49E



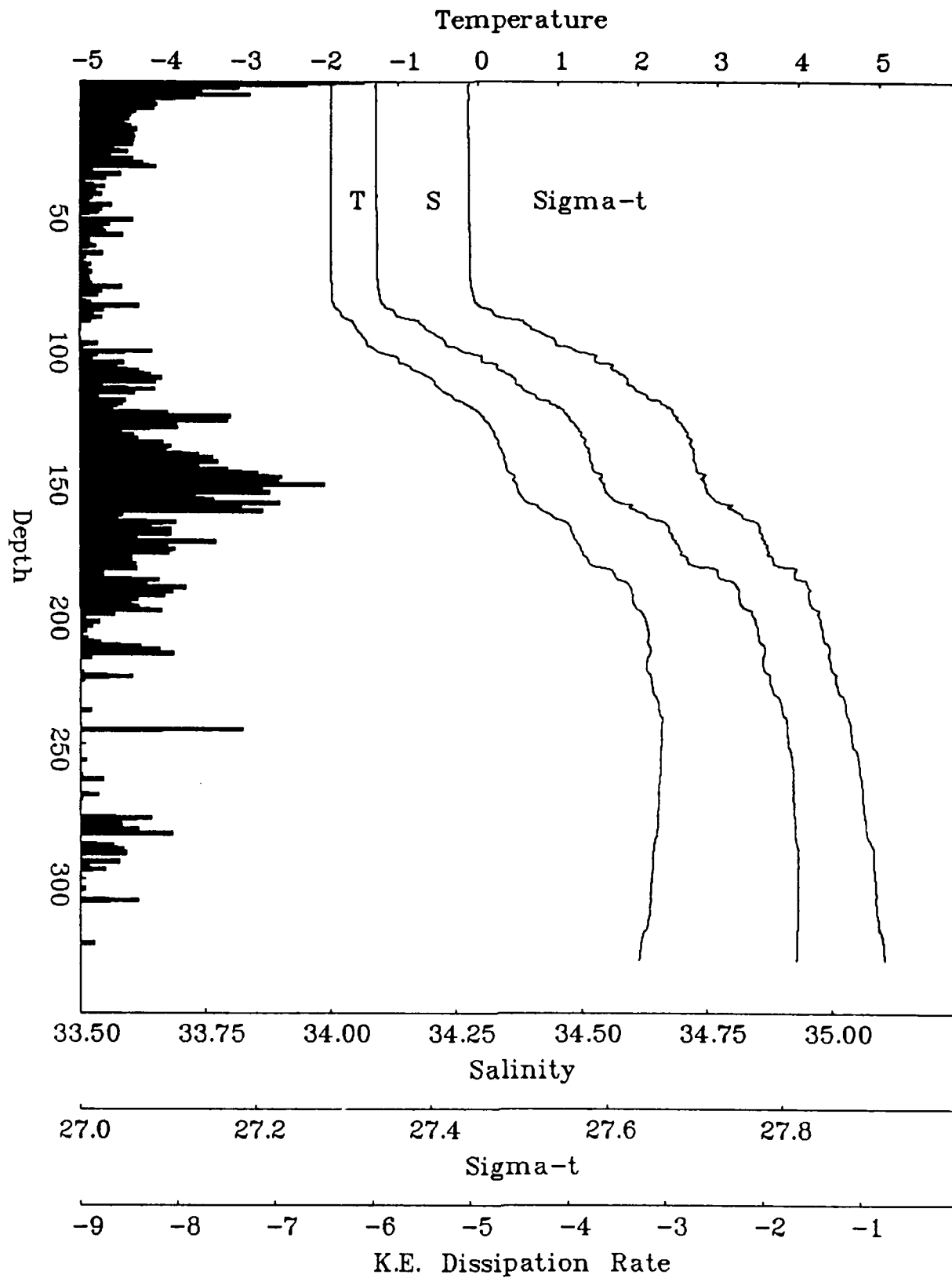
CEAREX Cast 405, JD 97.4637, 10:59, 82.79N, 10.52E



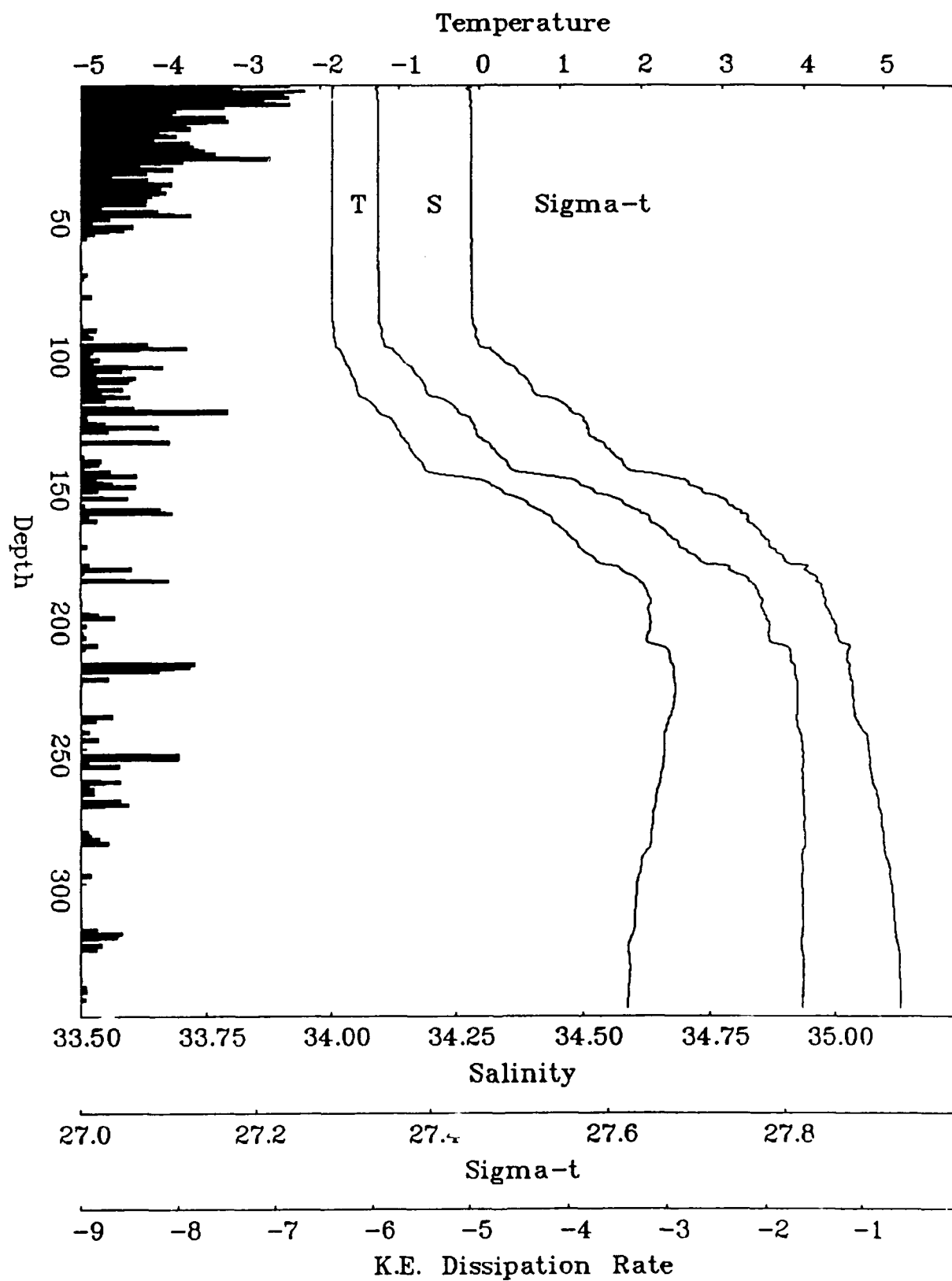
CEAREX Cast 416, JD 97.6826, 16:14, 82.78N, 10.55E



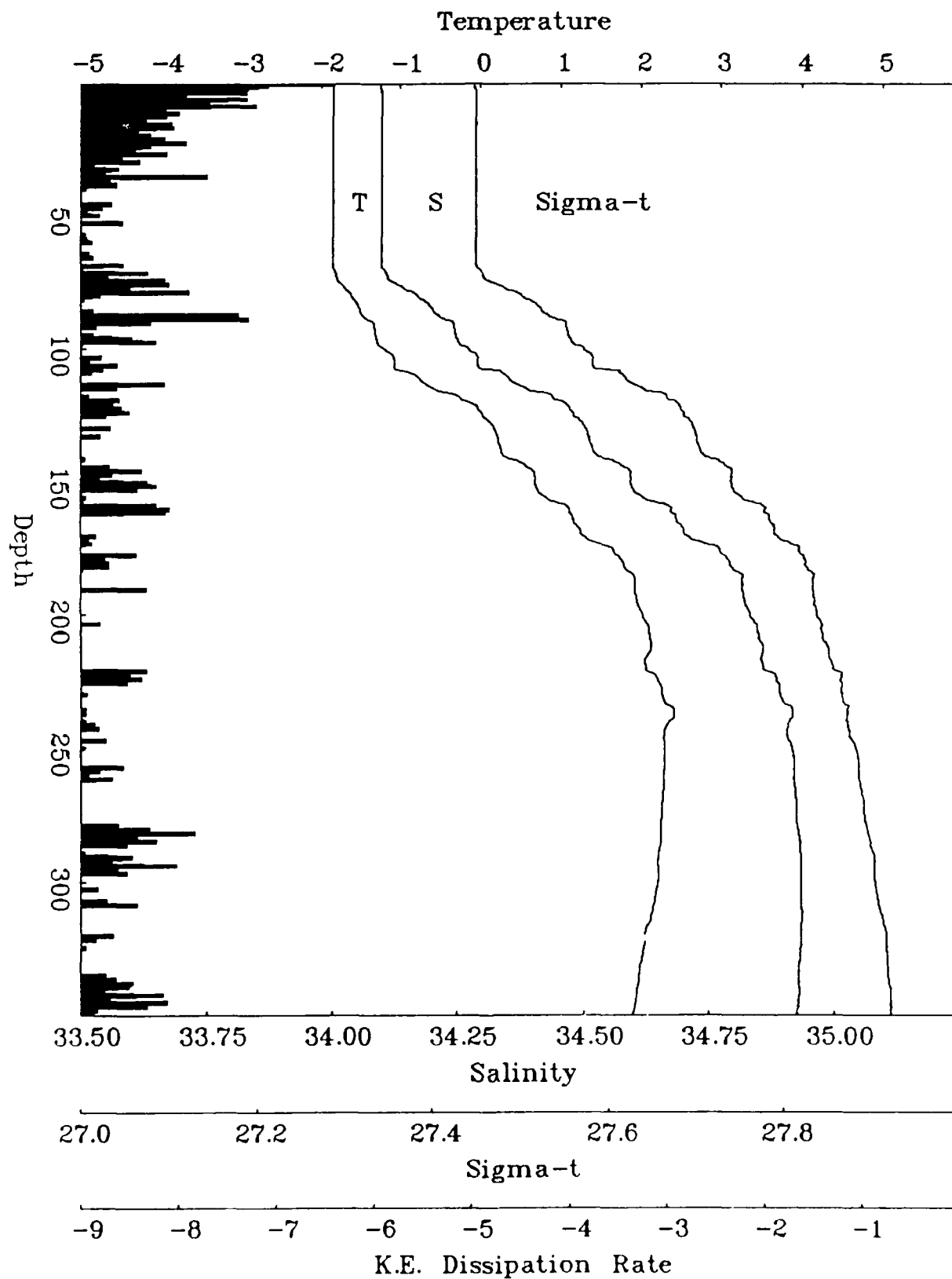
CEAREX Cast 441, JD 97.8549, 20:23, 82.78N, 10.57E



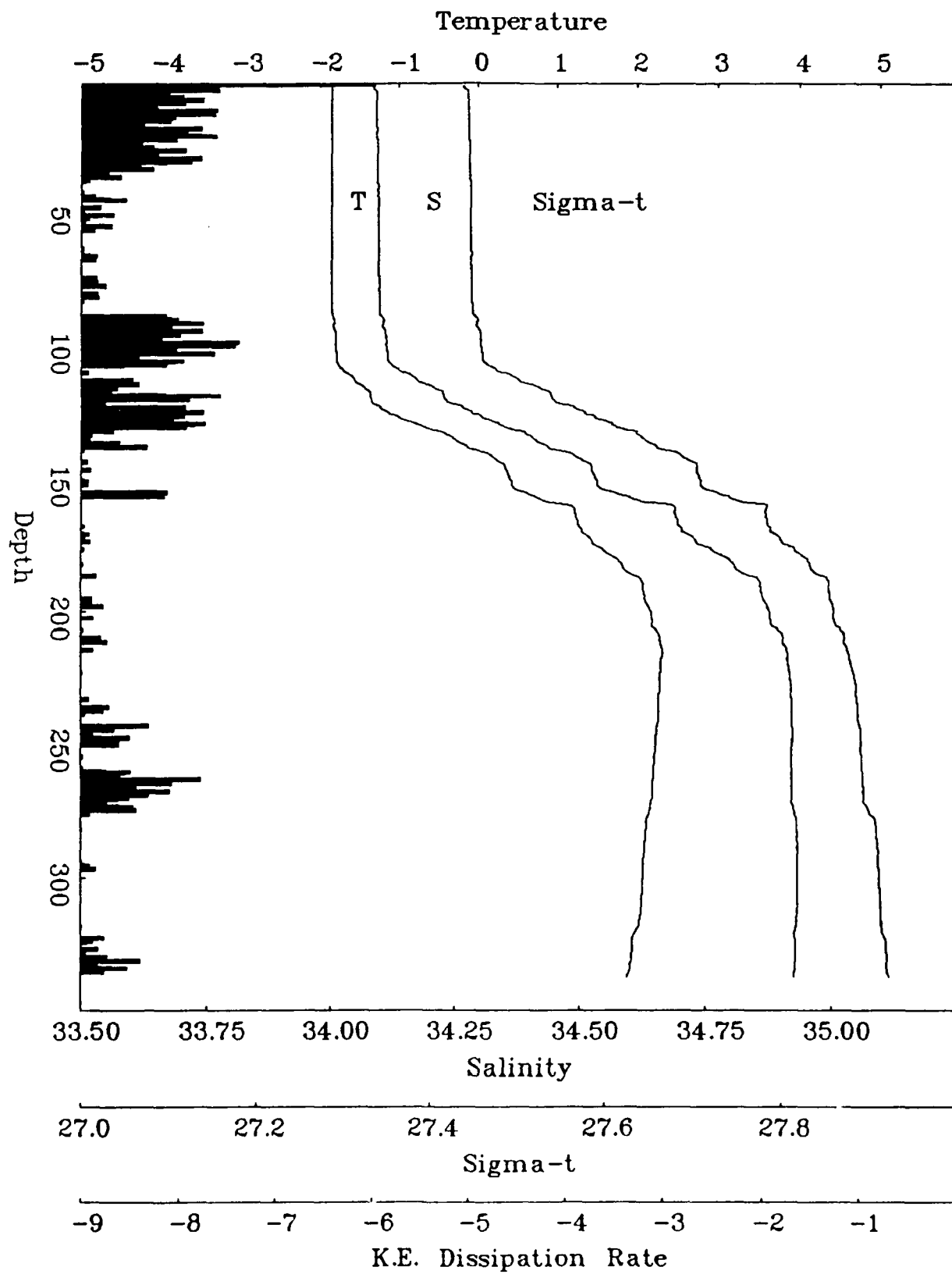
CEAREX Cast 455, JD 98.0247, 00:27, 82.78N, 10.60E



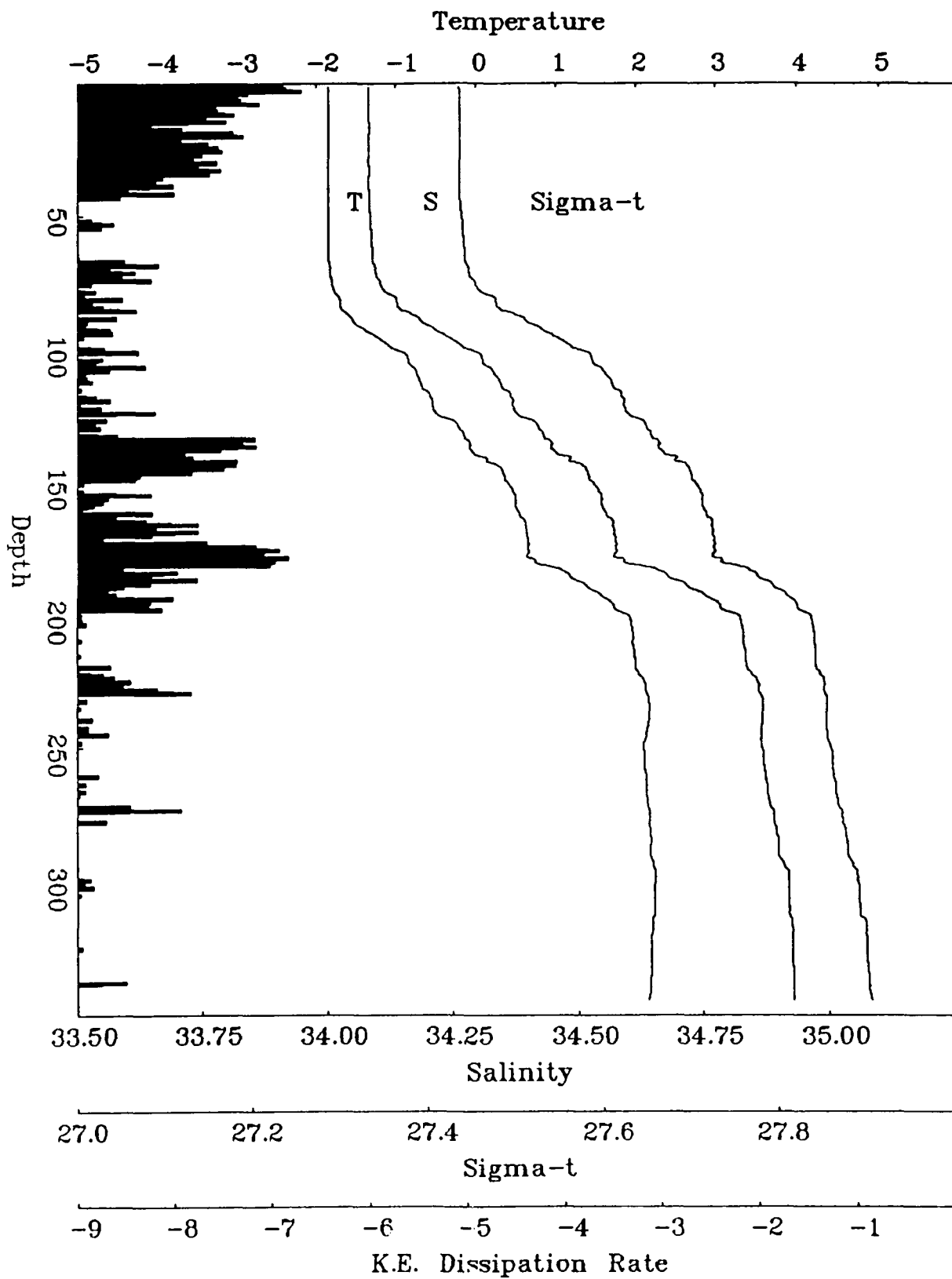
CEAREX Cast 463, JD 98.1724, 04:00, 82.77N, 10.62E



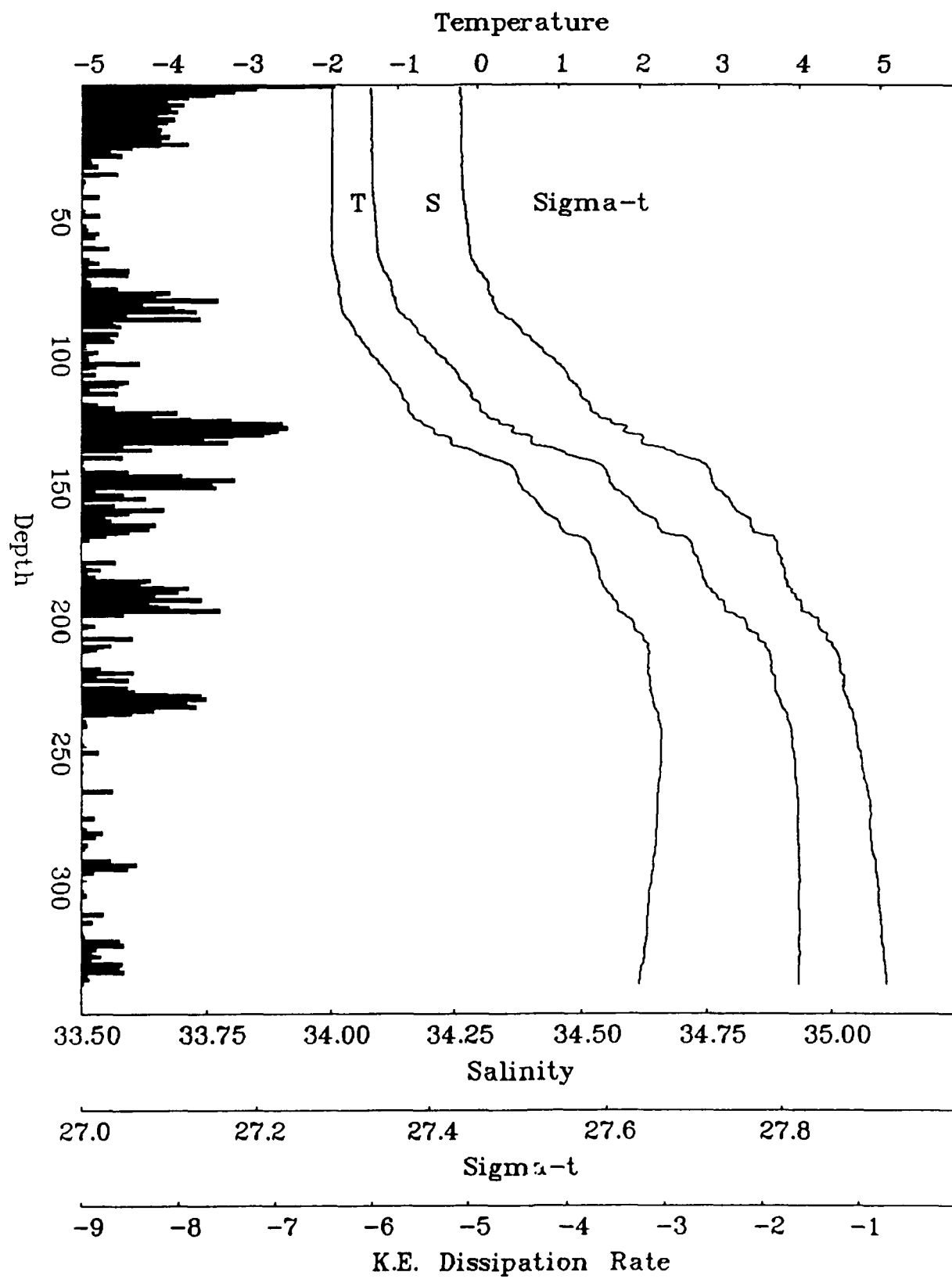
CEAREX Cast 472, JD 98.3339, 07:53, 82.76N, 10.64E



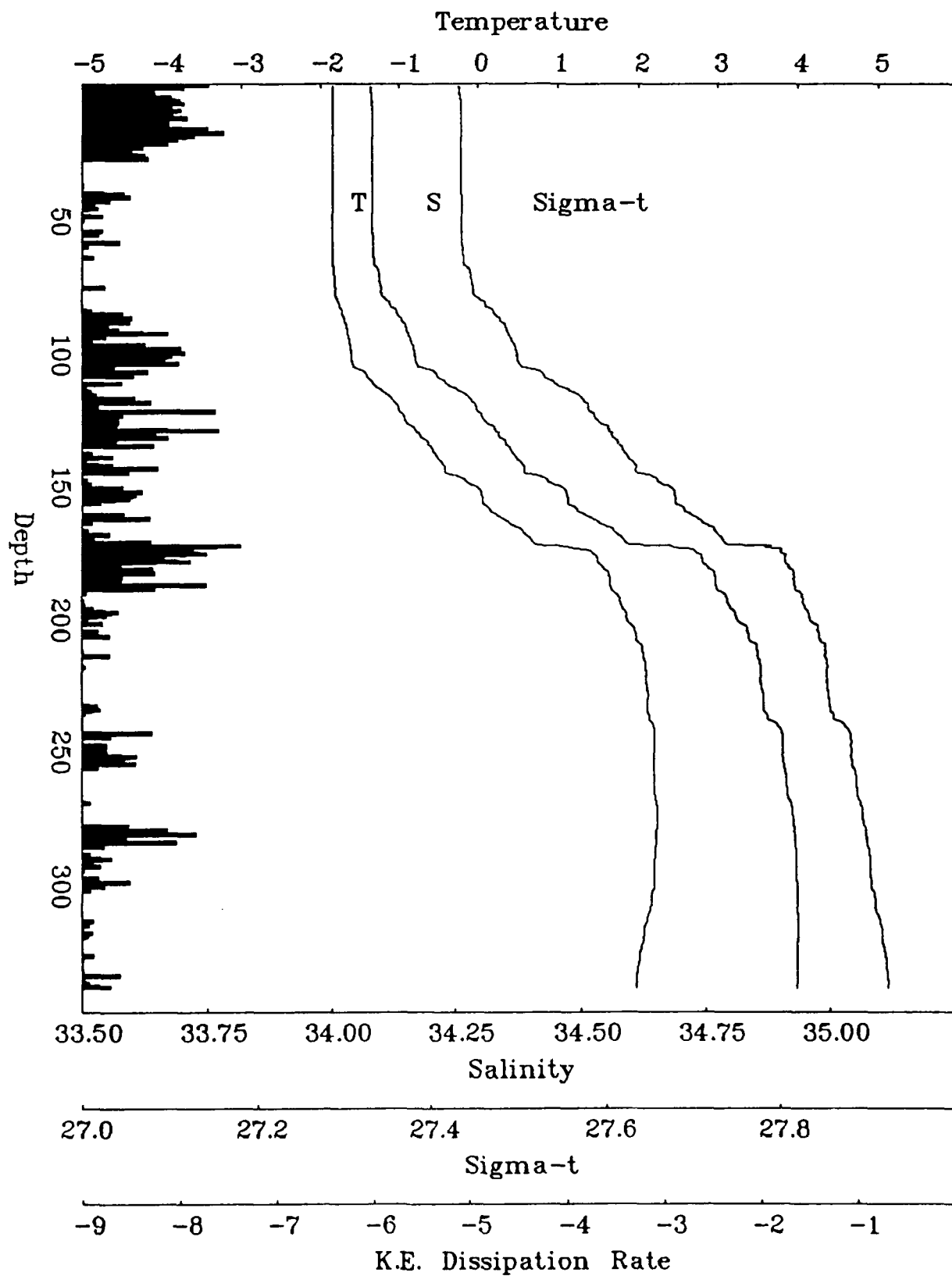
CEAREX Cast 484, JD 98.5048, 11:58, 82.76N, 10.64E



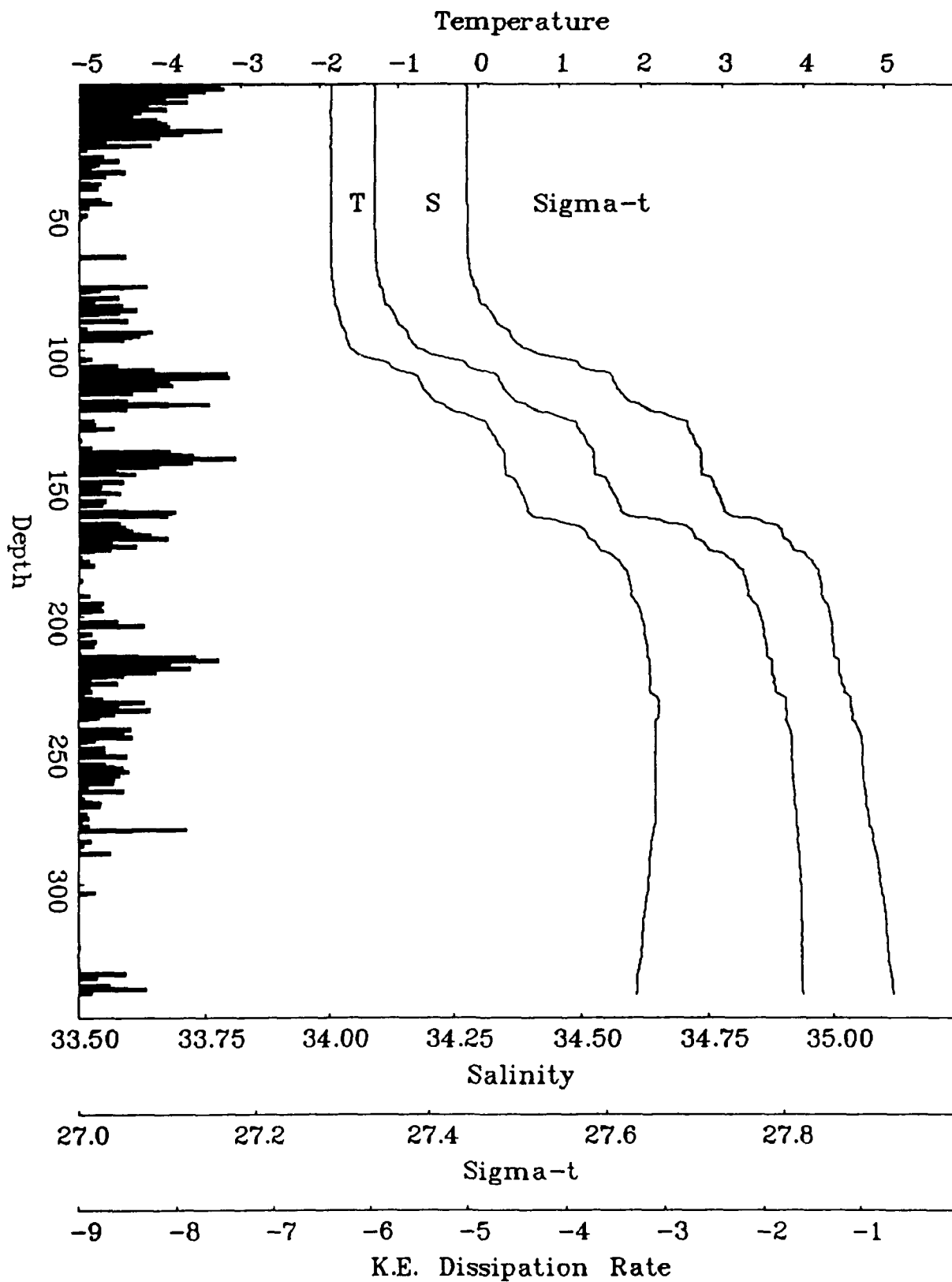
CEAREX Cast 499, JD 98.6787, 16:09, 82.75N, 10.66E



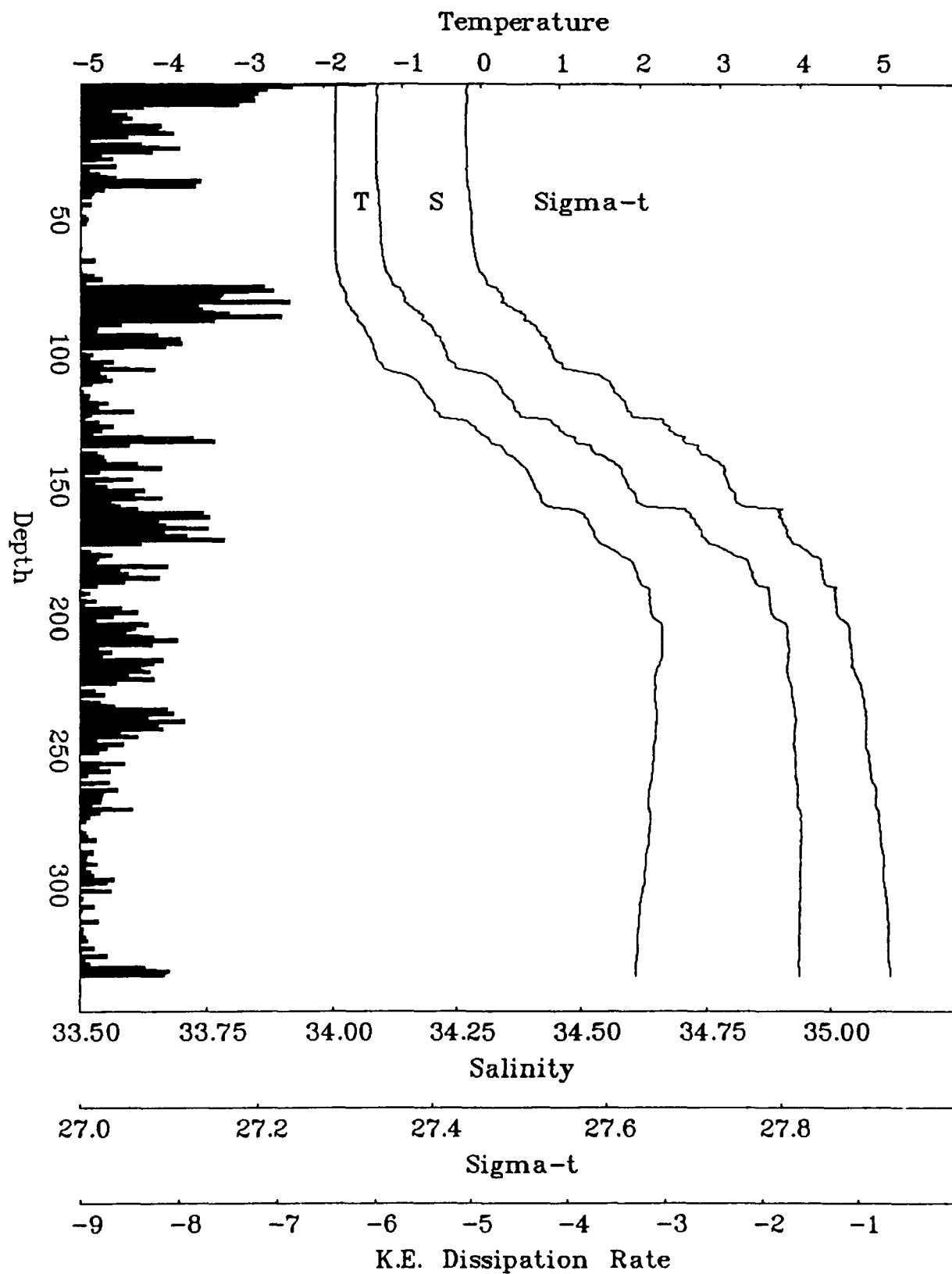
CEAREX Cast 509, JD 98.8383, 19:59, 82.75N, 10.67E



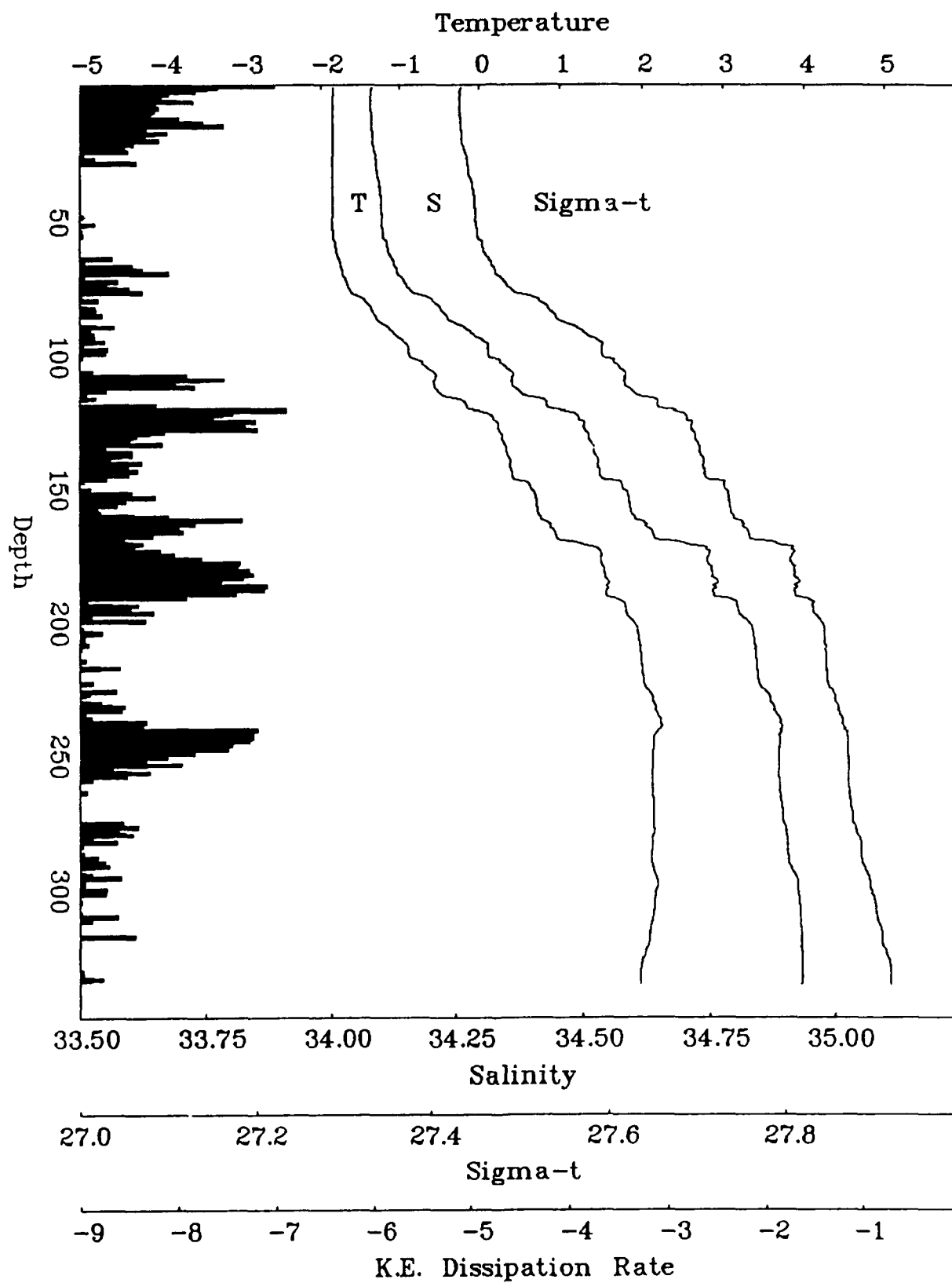
CEAREX Cast 518, JD 99.0056, 00:00, 82.74N, 10.63E



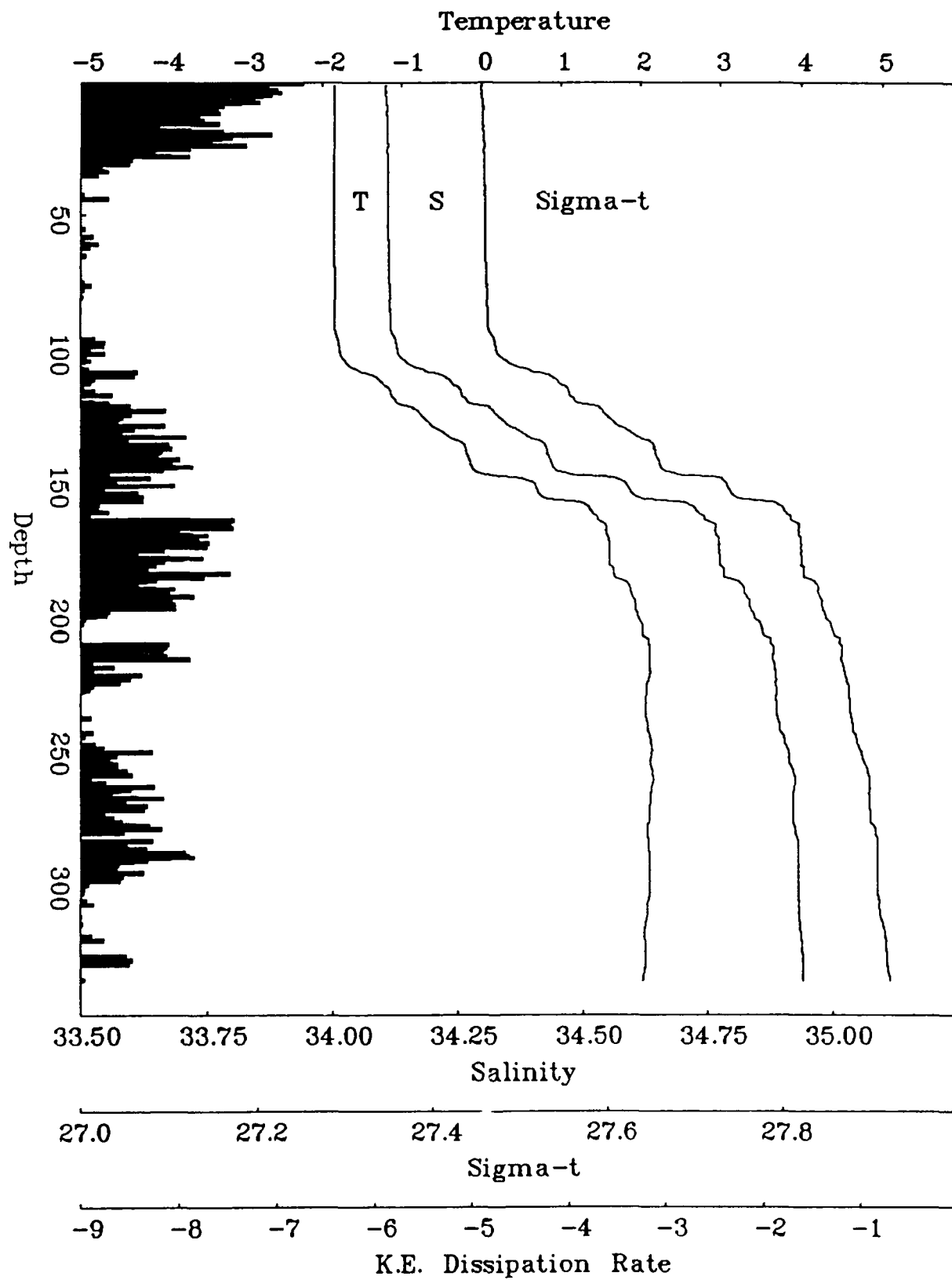
CEAREX Cast 526, JD 99.1722, 04:00, 82.74N, 10.63E



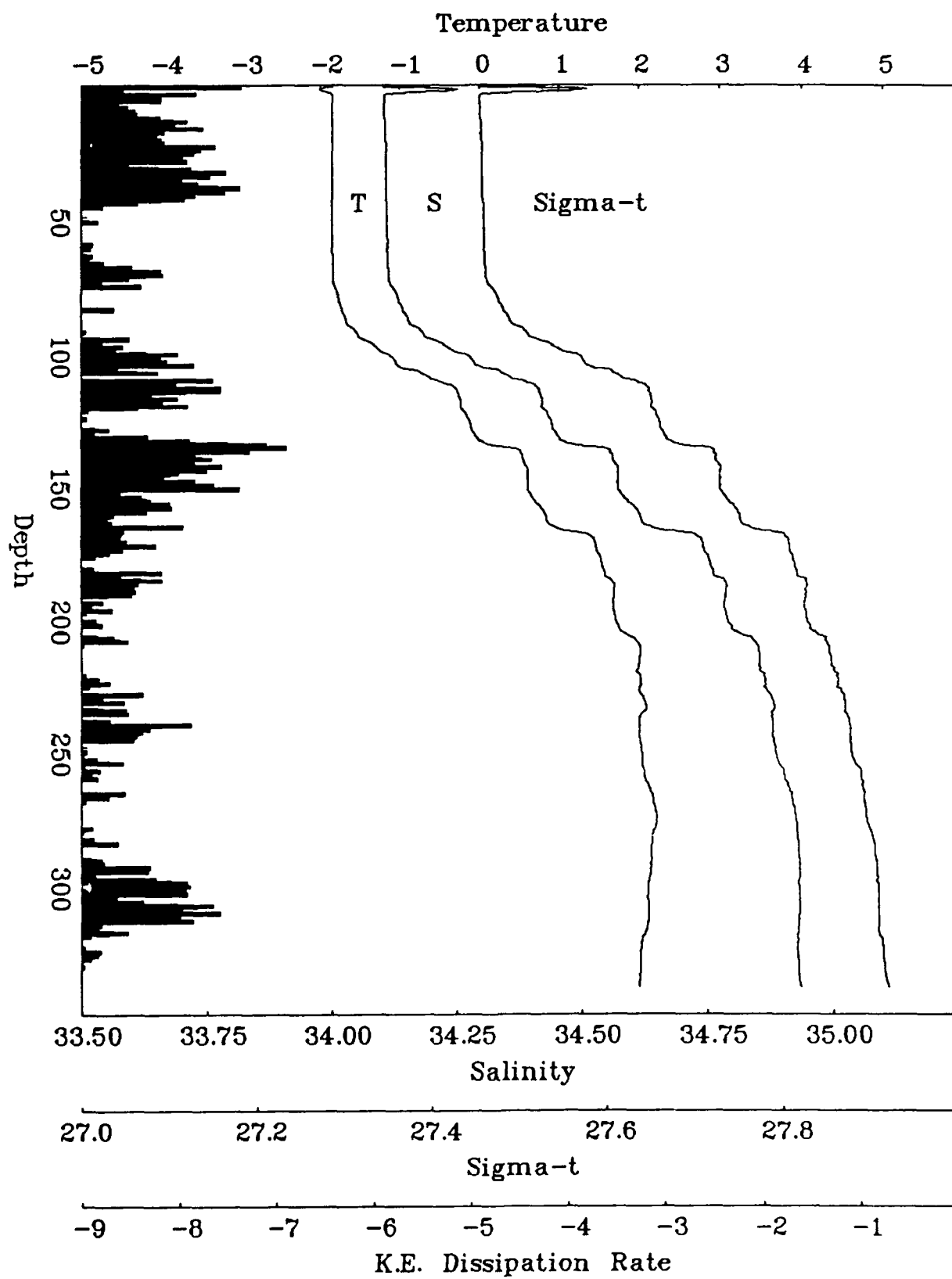
CEAREX Cast 534, JD 99.3383, 07:59, 82.74N, 10.63E



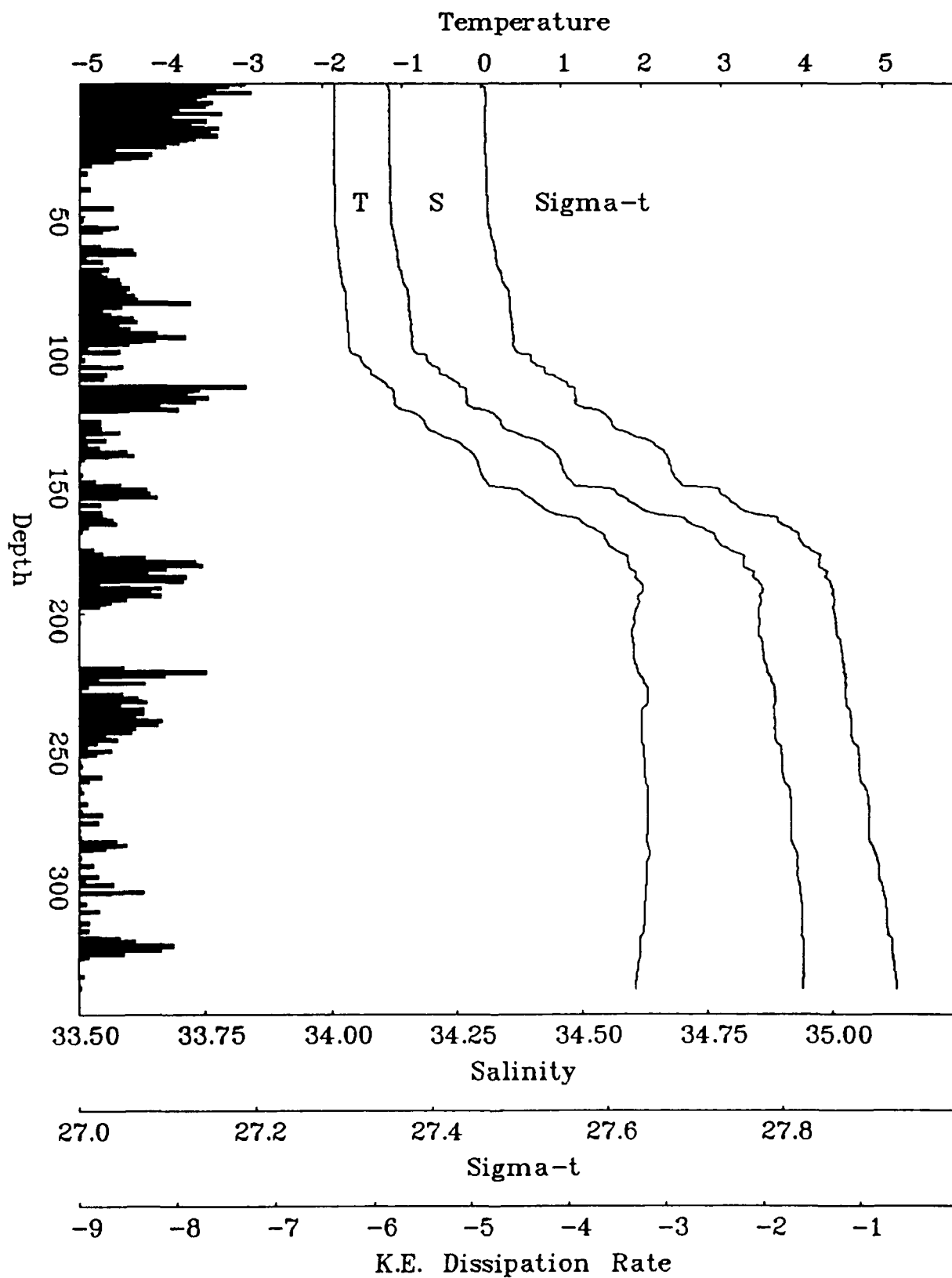
CEAREX Cast 545, JD 99.5050, 11:59, 82.72N, 10.61E



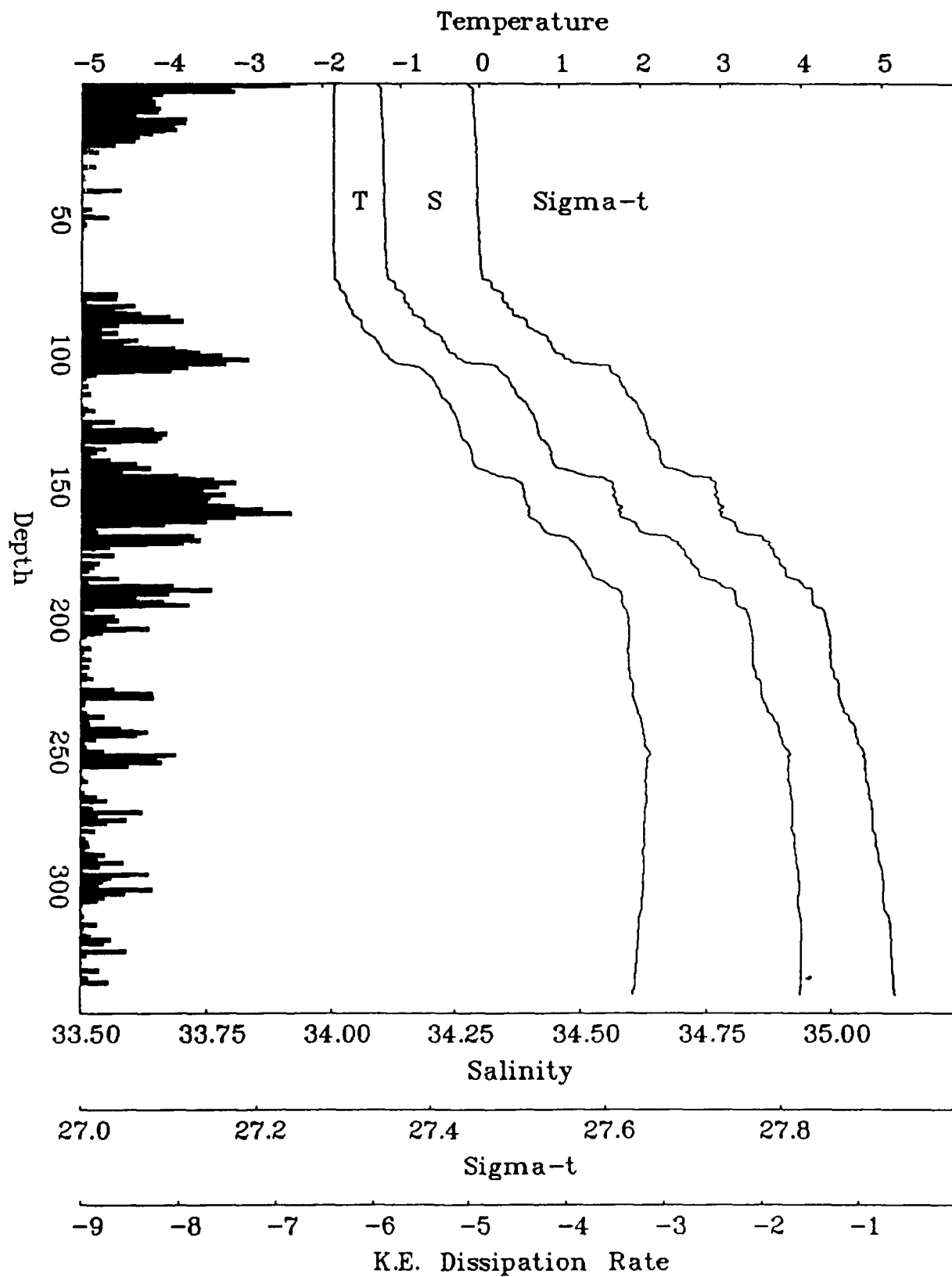
CEAREX Cast 554, JD 99.6717, 15:59, 82.72N, 10.61E



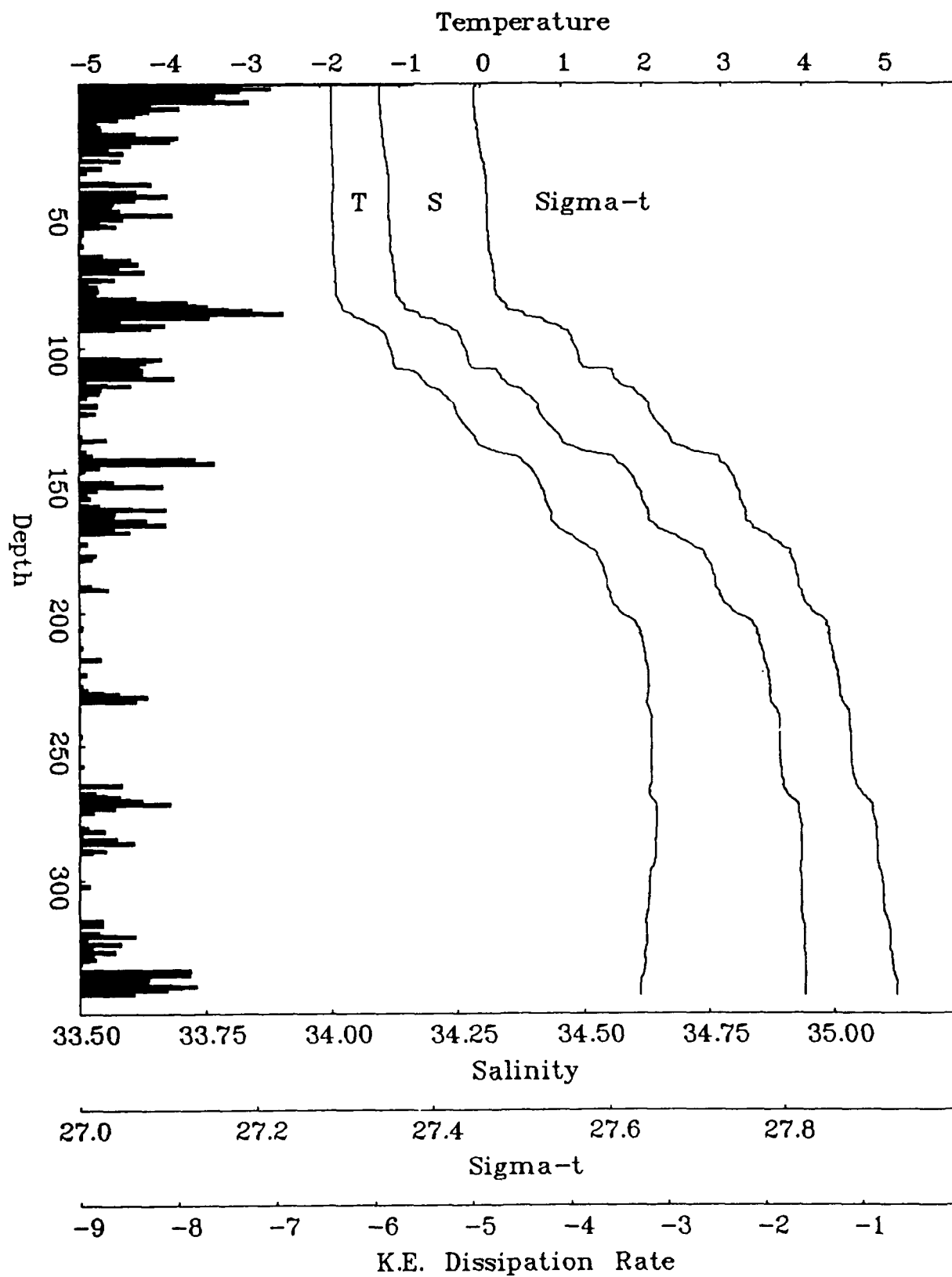
CEAREX Cast 562, JD 99.8384, 19:59, 82.72N, 10.62E



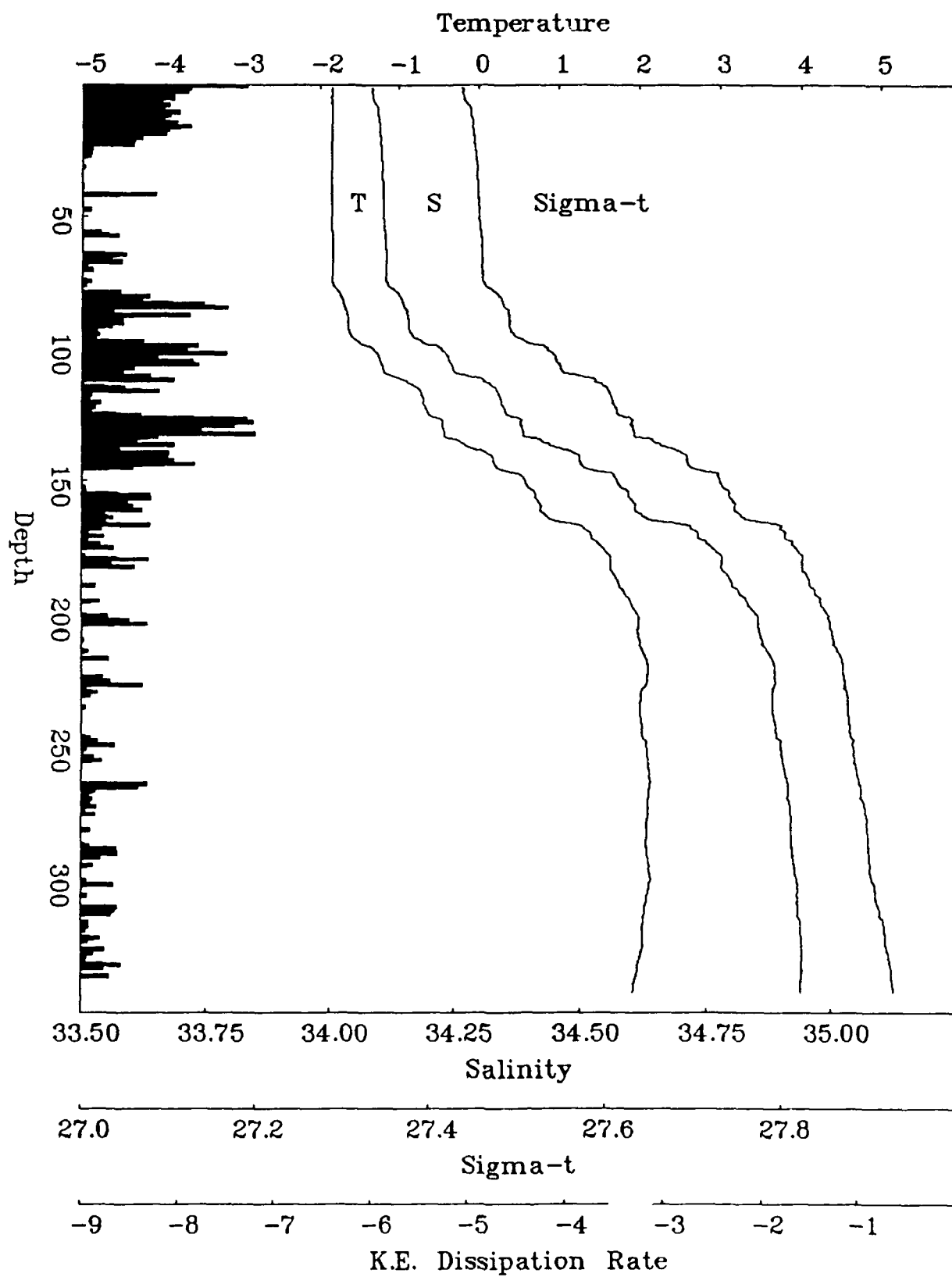
CEAREX Cast 573, JD 100.0083, 00:03, 82.71N, 10.62E



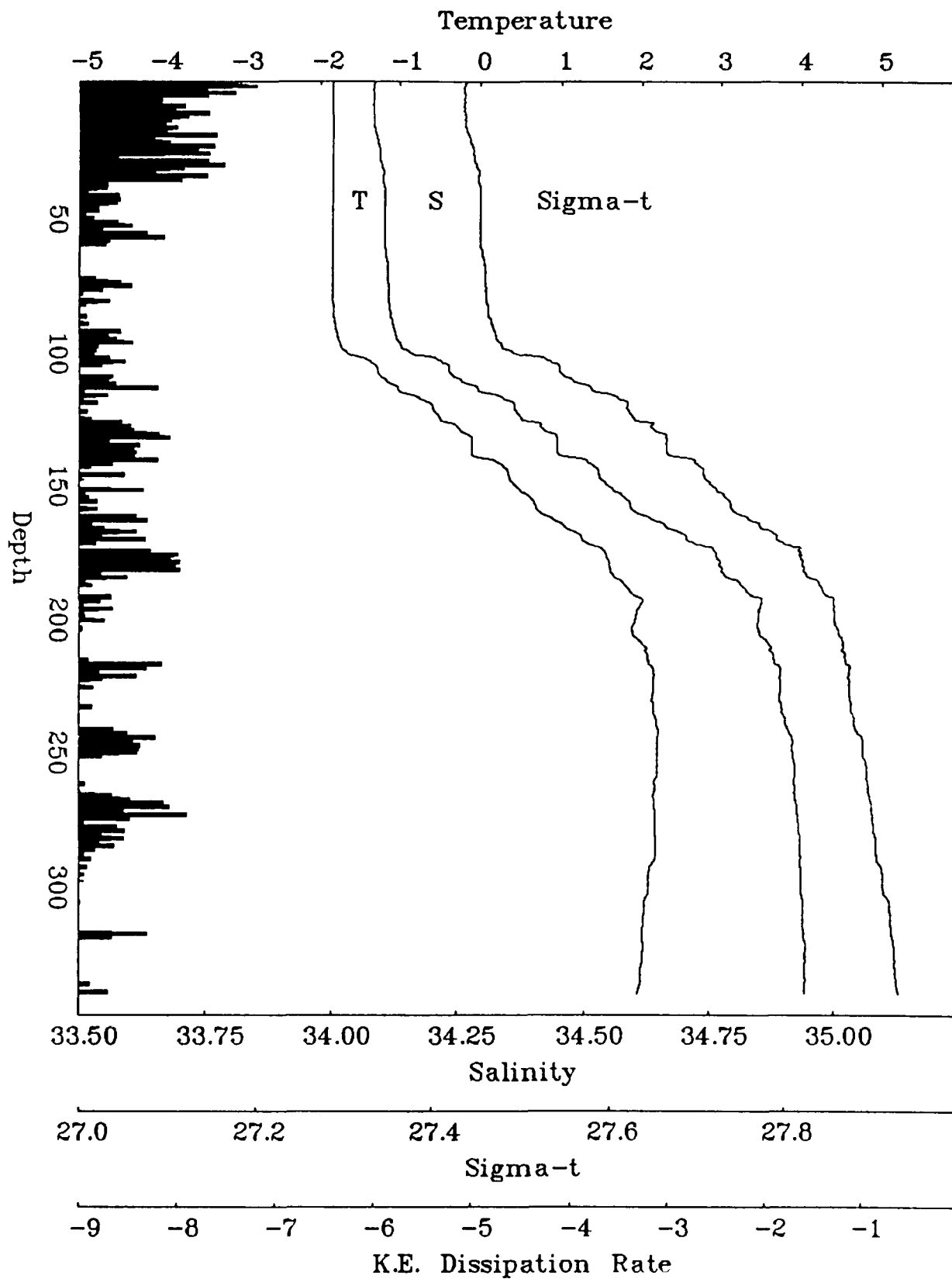
CEAREX Cast 581, JD 100.1888, 04:23, 82.71N, 10.66E



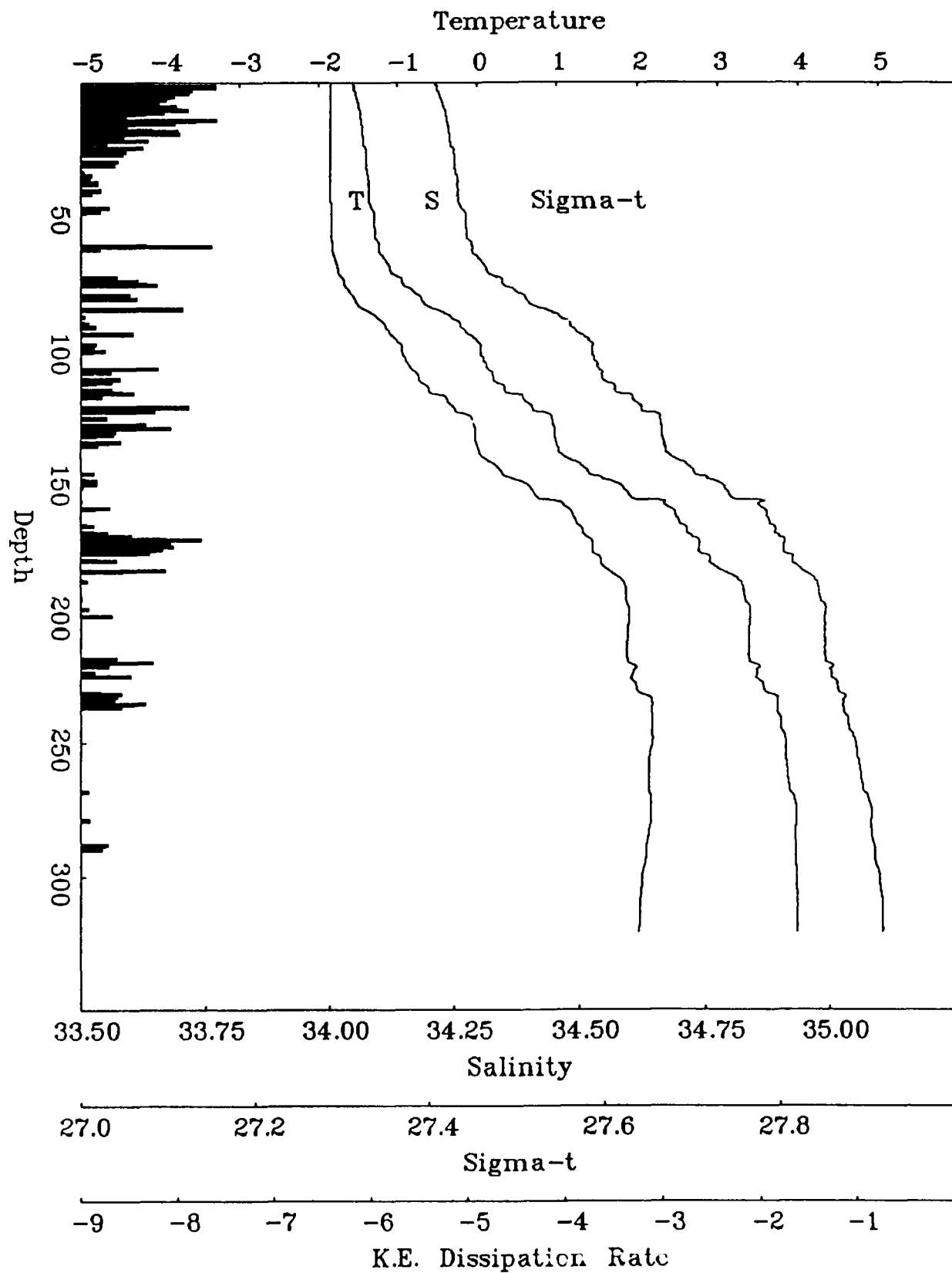
CEAREX Cast 589, JD 100.3455, 08:09, 82.71N, 10.71E



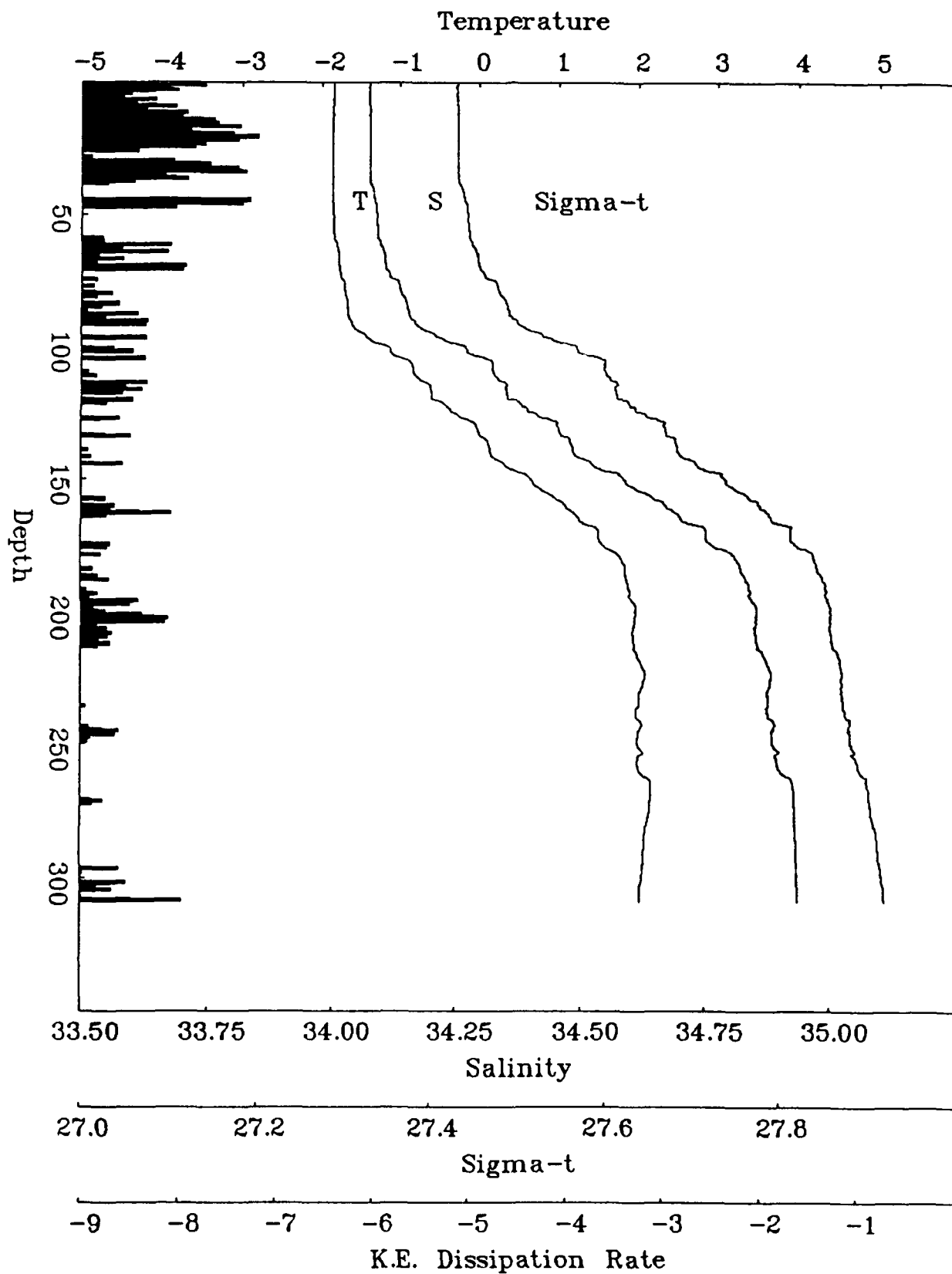
CEAREX Cast 601, JD 100.5058, 12:00, 82.71N, 10.71E



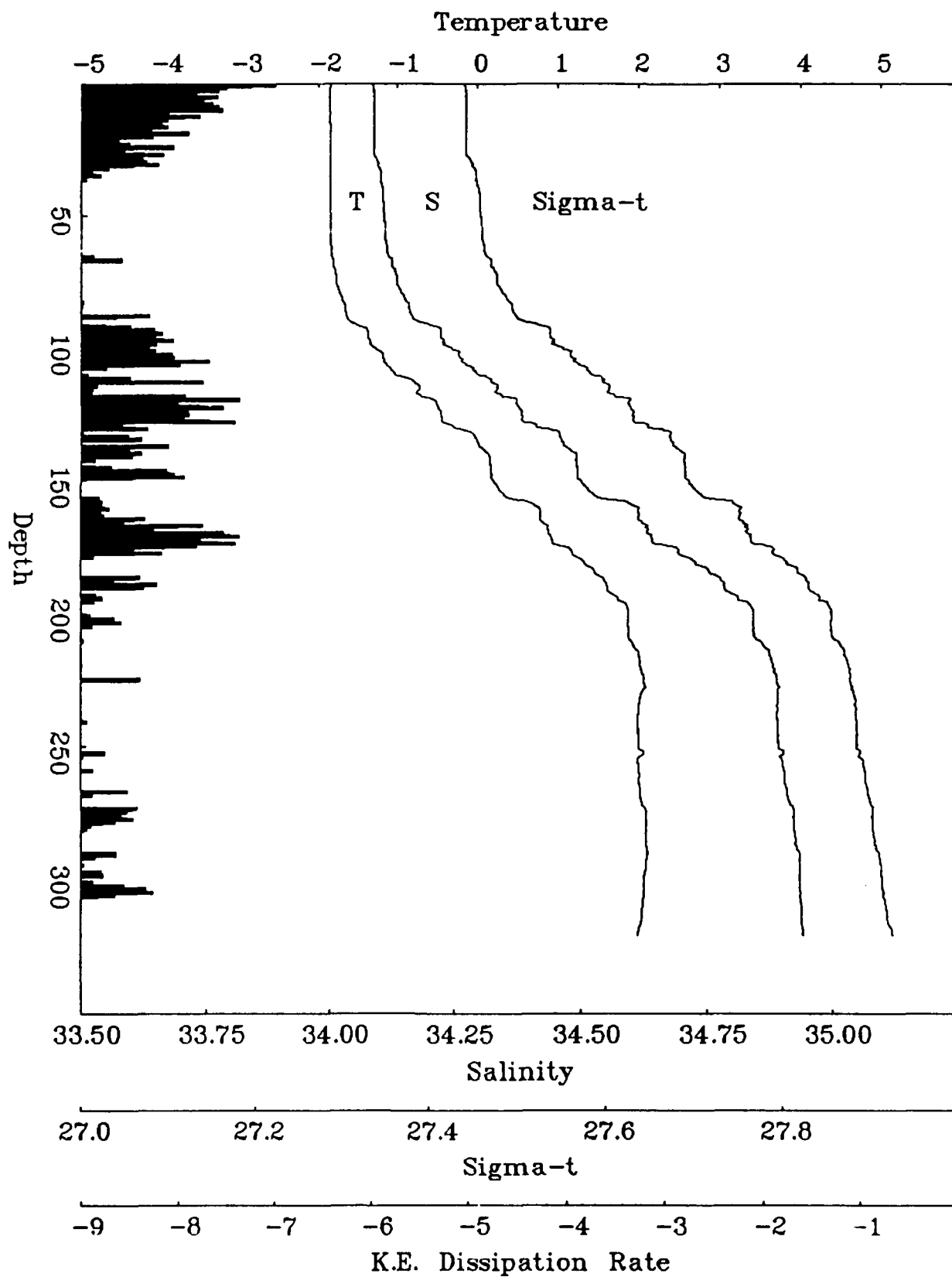
CEAREX Cast 611, JD 100.6634, 15:47, 82.71N, 10.70E



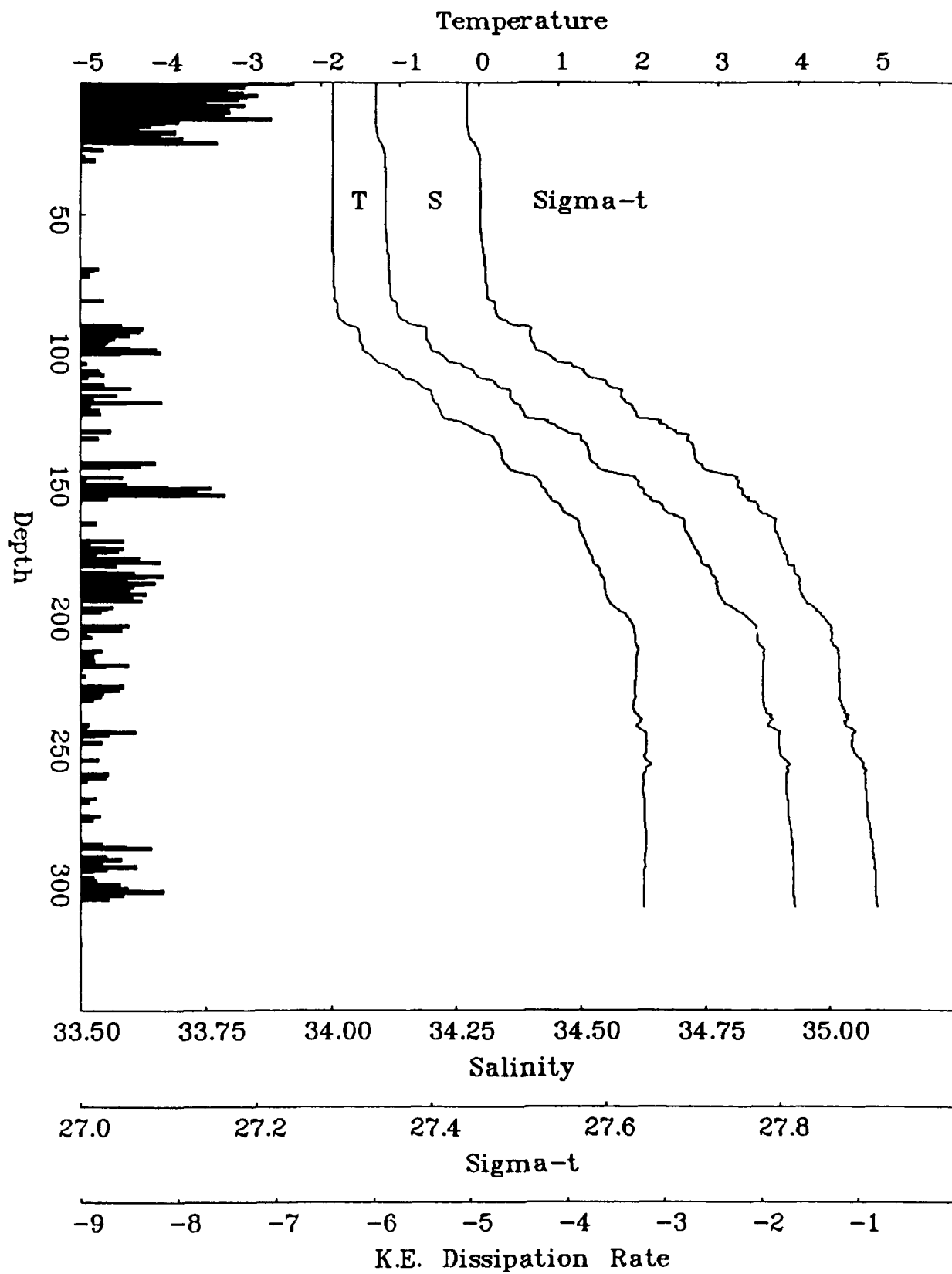
CEAREX Cast 623, JD 100.8383, 19:59, 82.71N, 10.71E



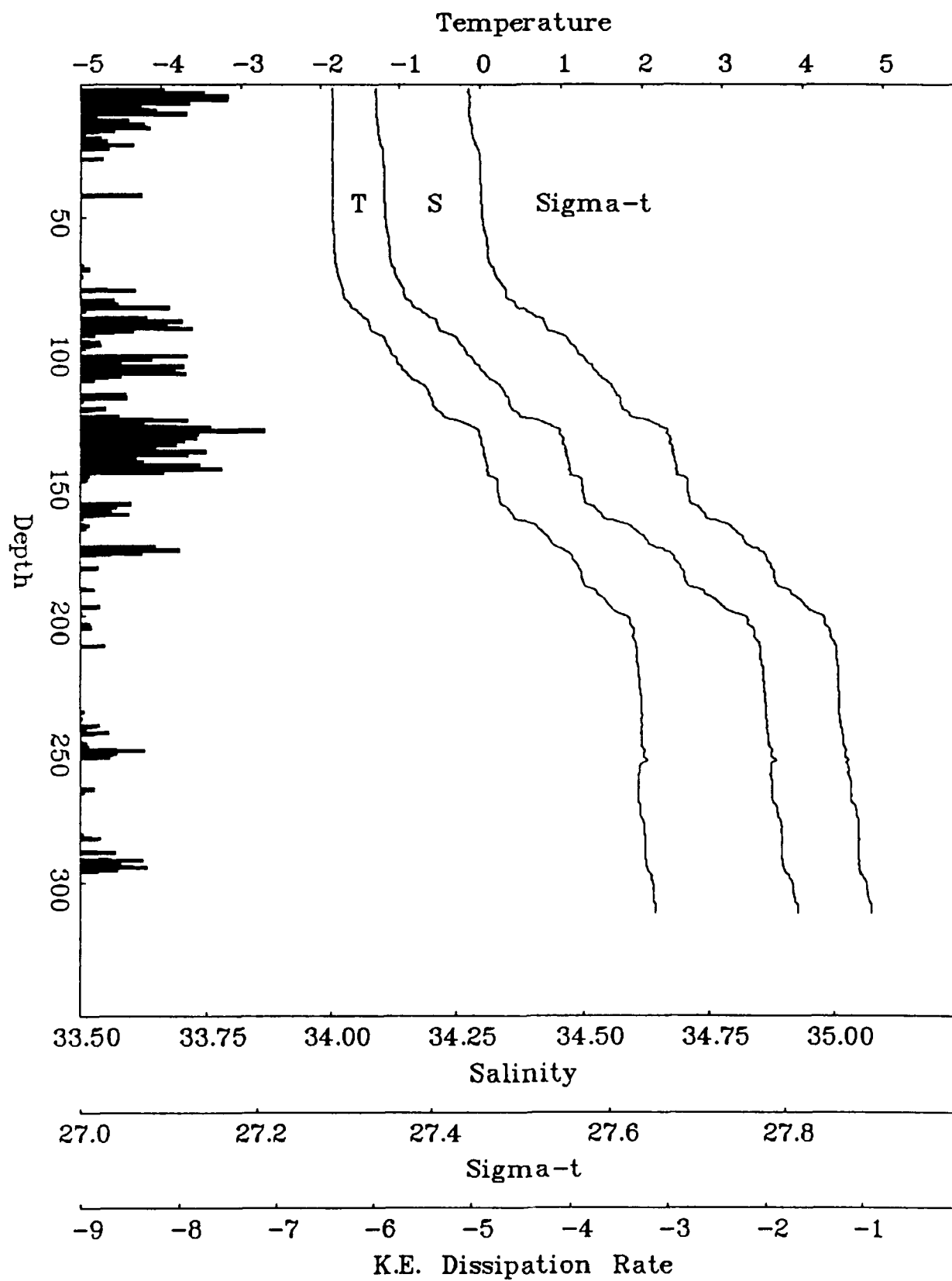
CEAREX Cast 635, JD 101.0271, 00:30, 82.70N, 10.69E



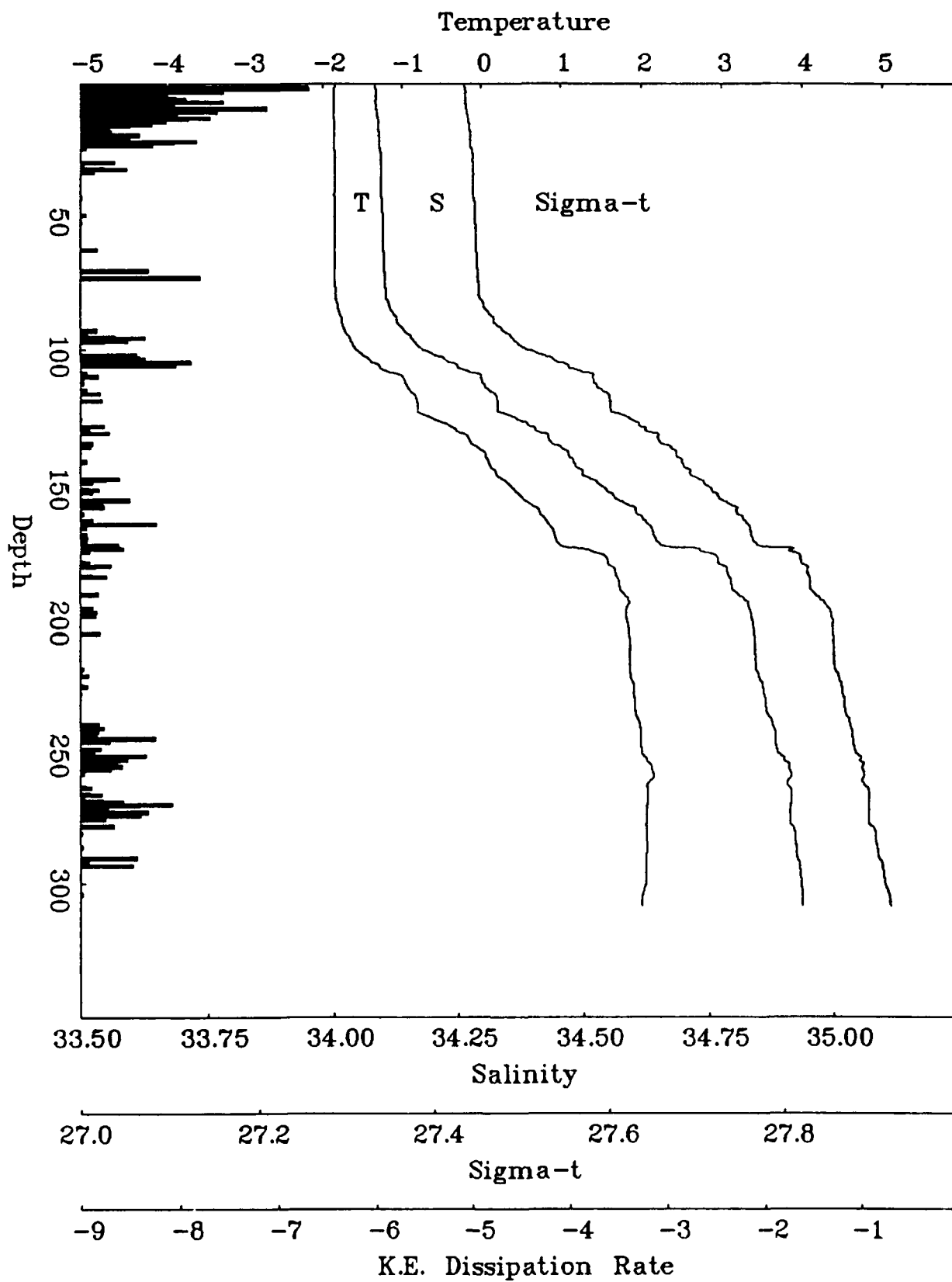
CEAREX Cast 641, JD 101.1725, 04:00, 82.70N, 10.68E



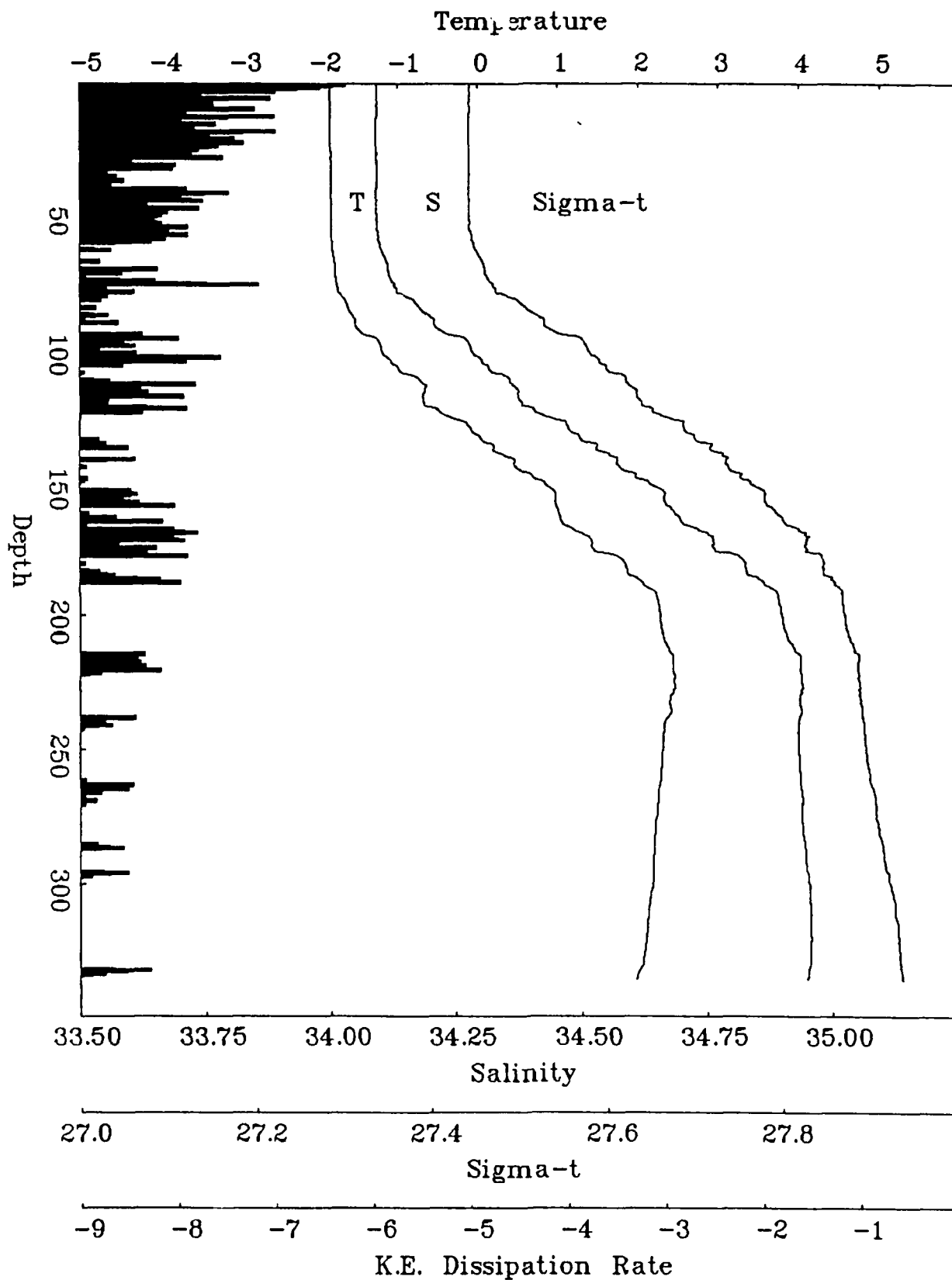
CEAREX Cast 651, JD 101.3388, 08:00, 82.71N, 10.73E



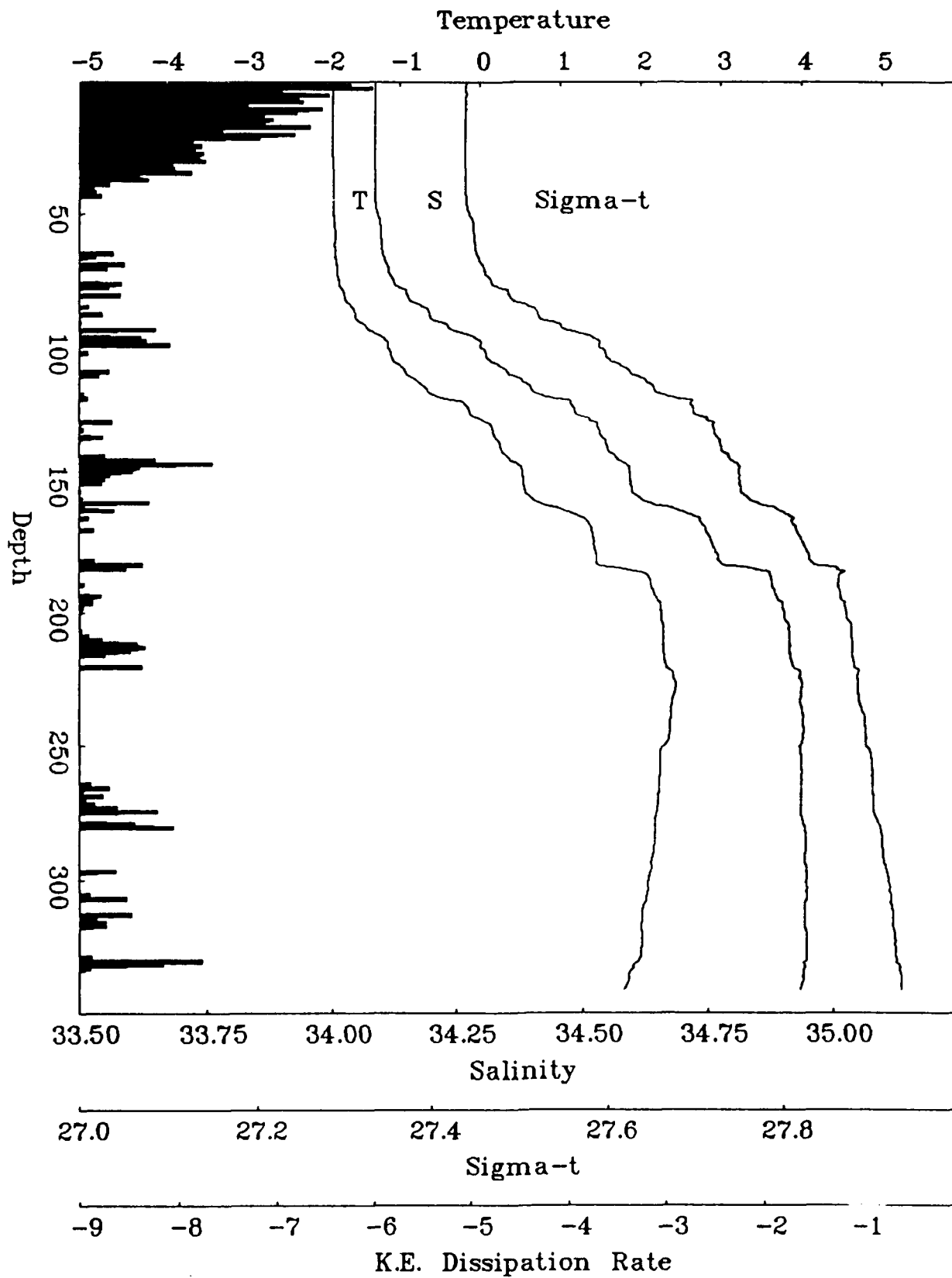
CEAREX Cast 662, JD 101.5050, 11:59, 82.71N, 10.75E



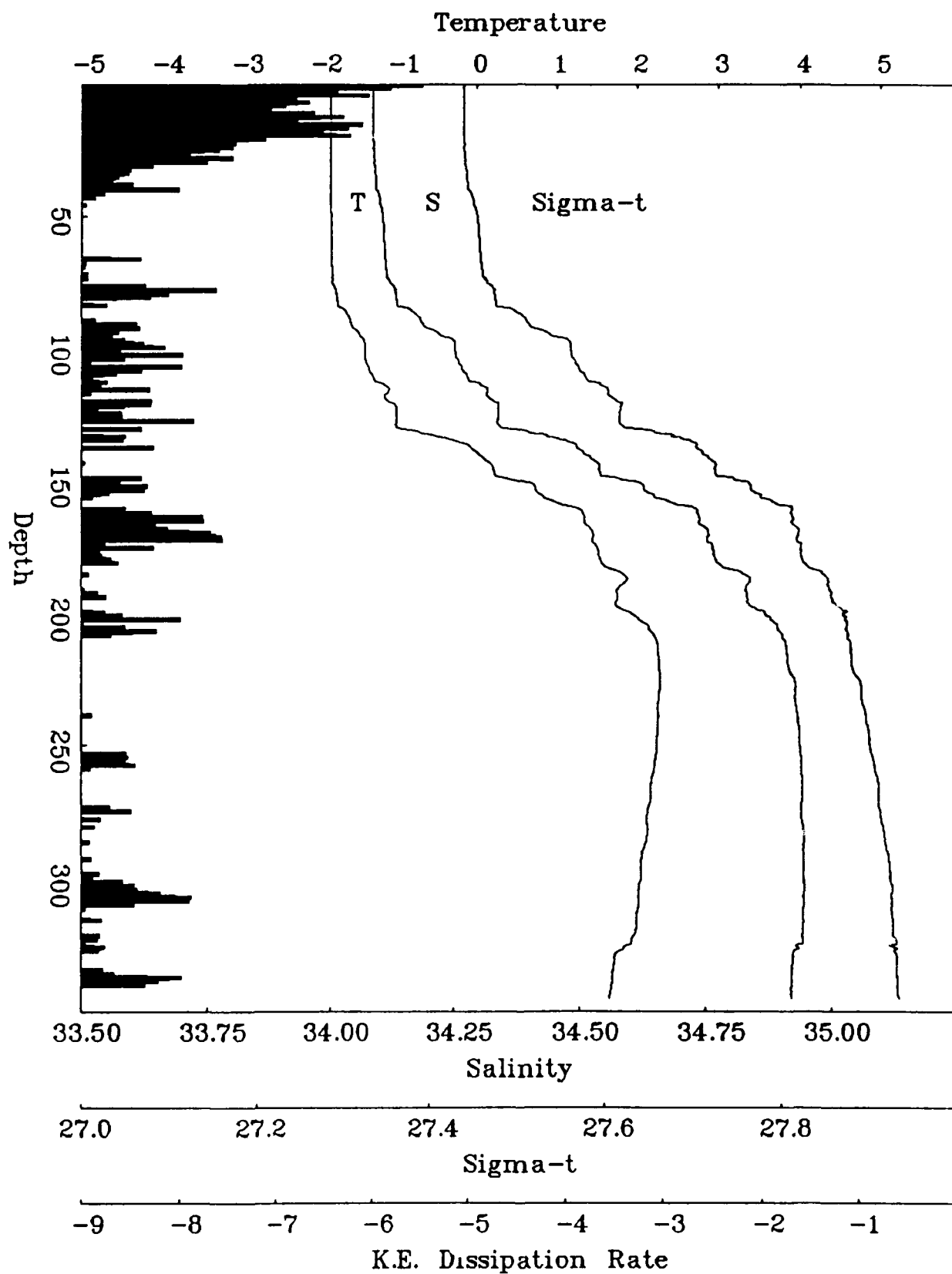
CEAREX Cast 677, JD 101.6754, 16:04, 82.71N, 10.78E



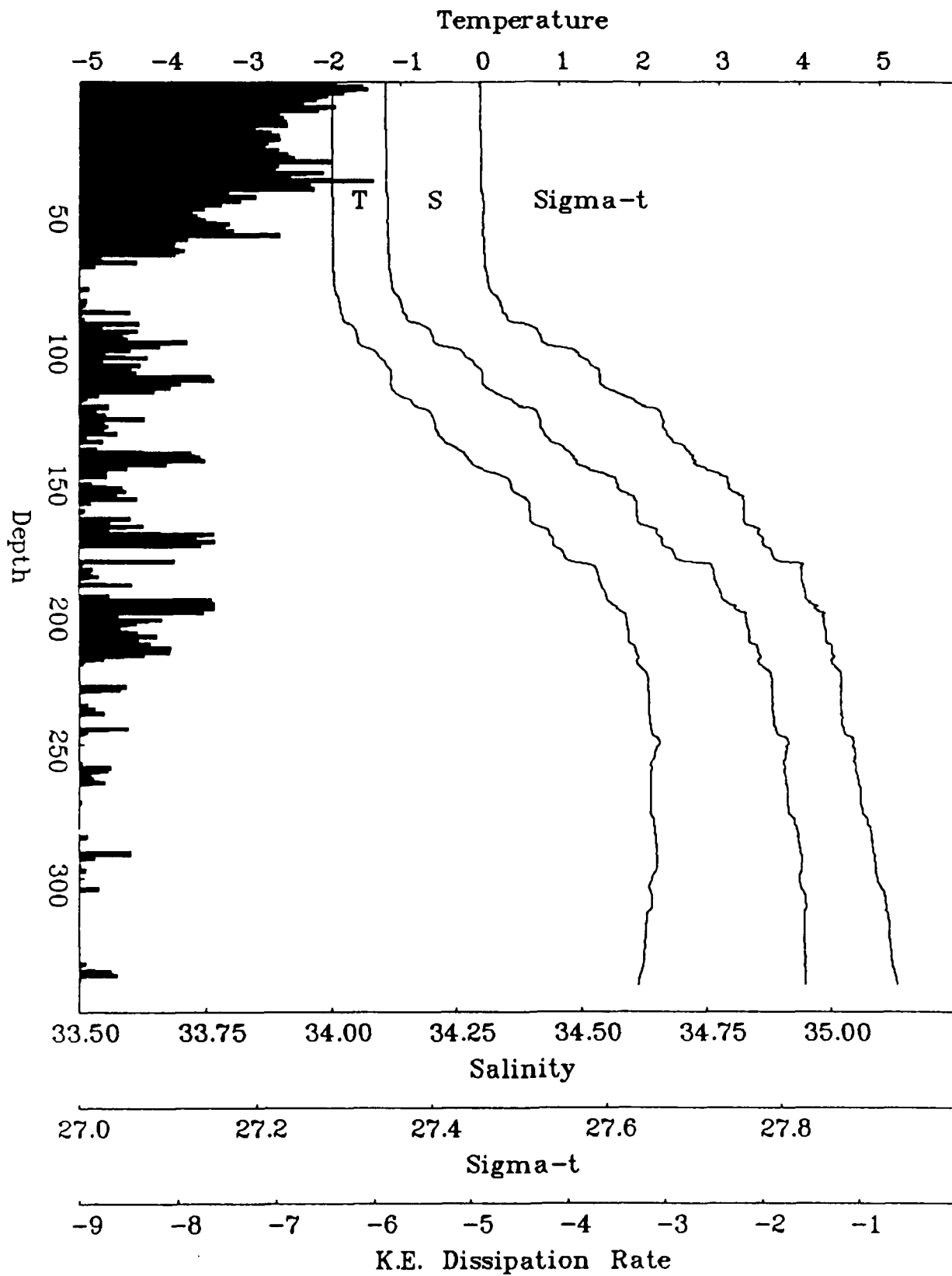
CEAREX Cast 685, JD 101.8383, 19:59, 82.71N, 10.86E



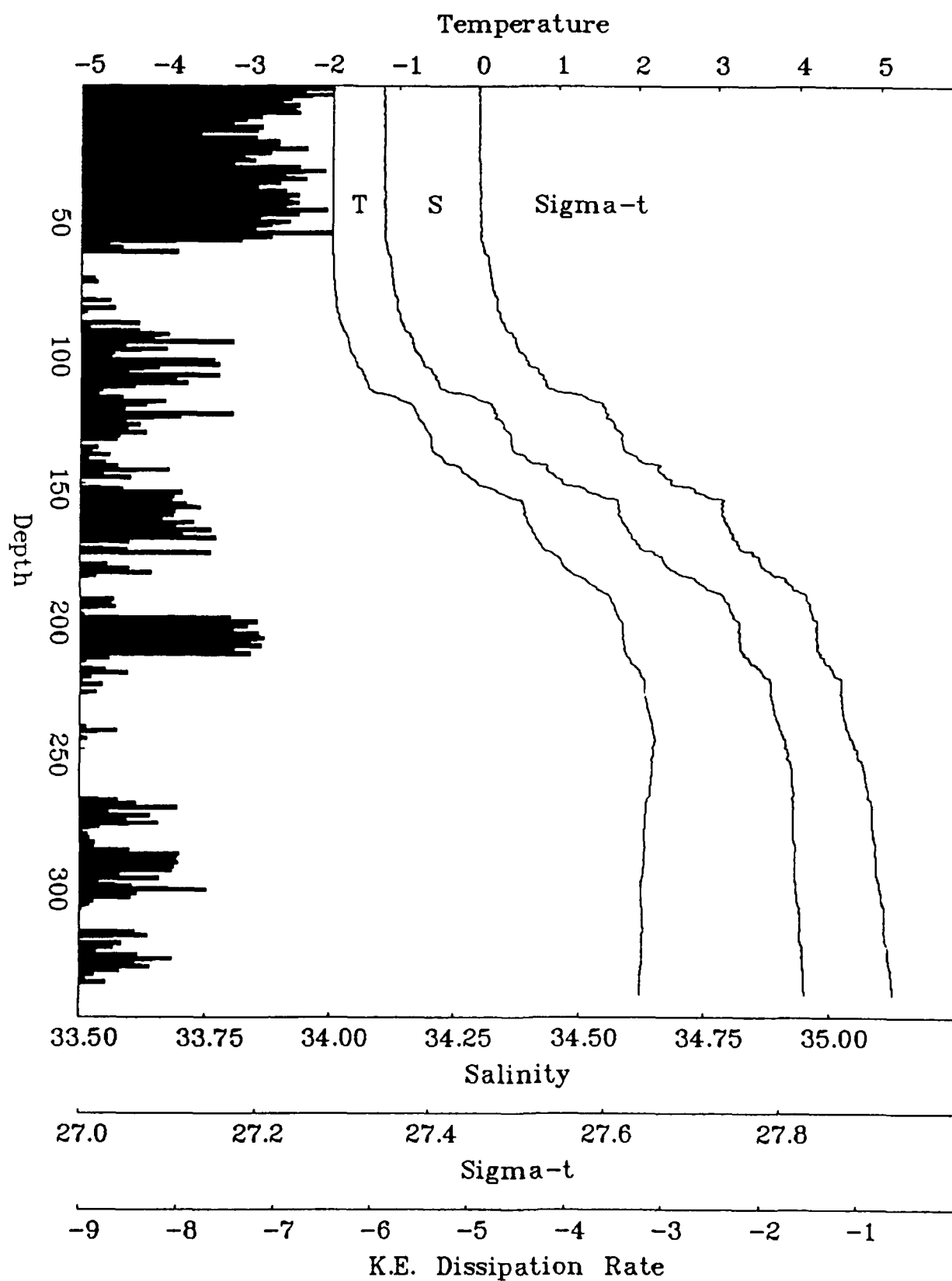
CEAREX Cast 692, JD 102.0053, 23:59, 82.70N, 10.91E



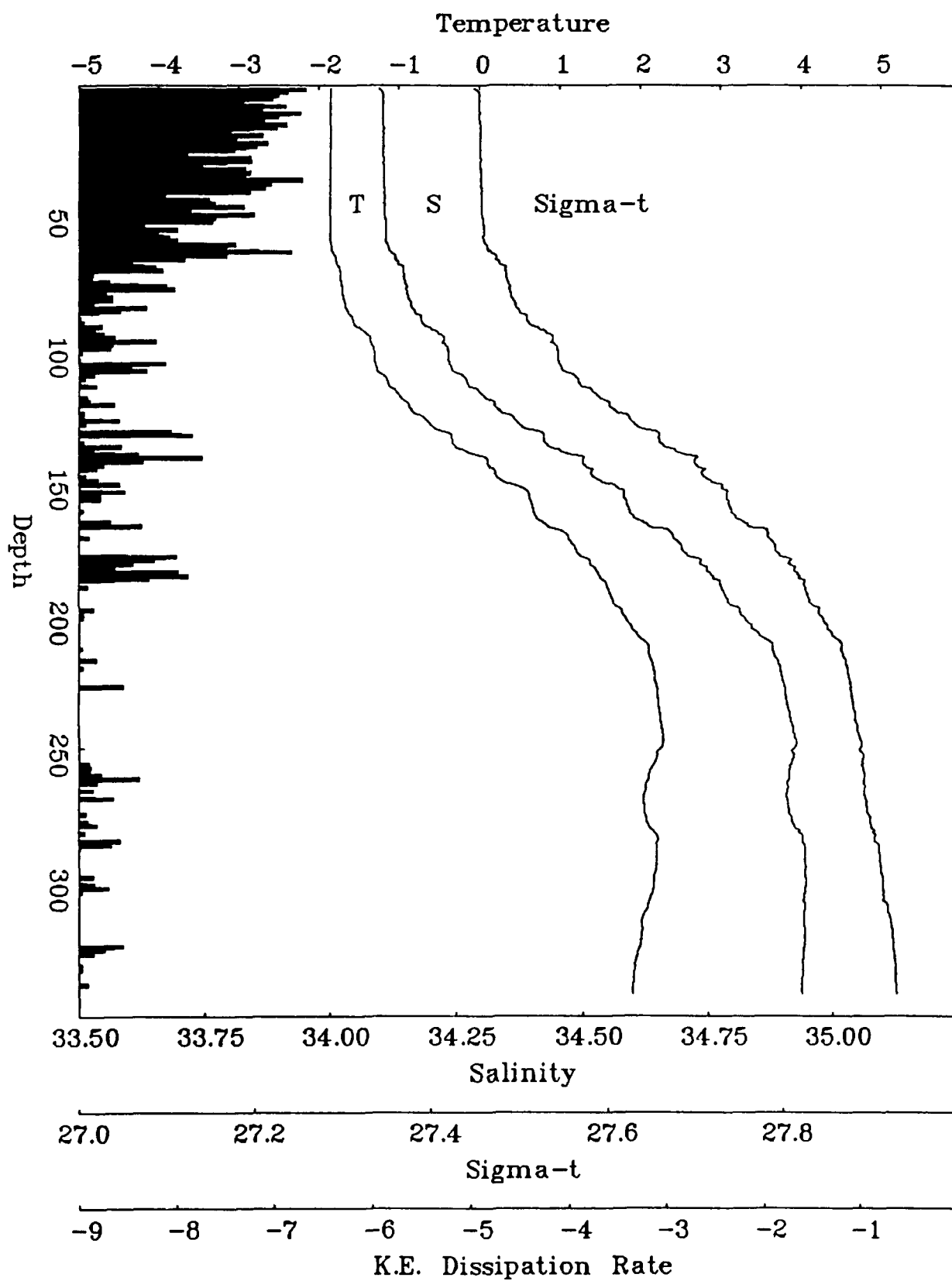
CEAREX Cast 699, JD 102.1724, 04:00, 82.69N, 10.89E



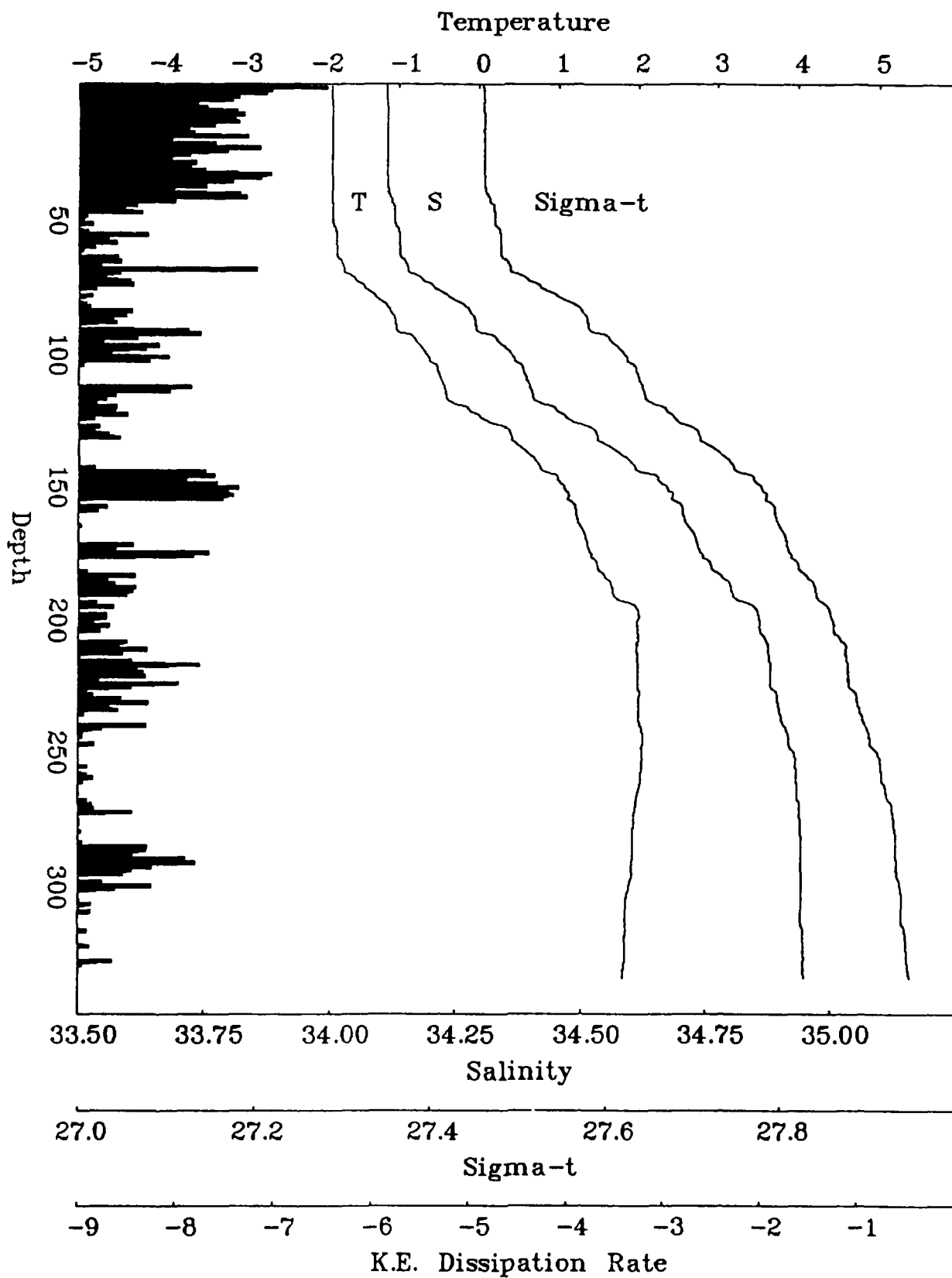
CEAREX Cast 712, JD 102.3440, 08:07, 82.68N, 10.84E



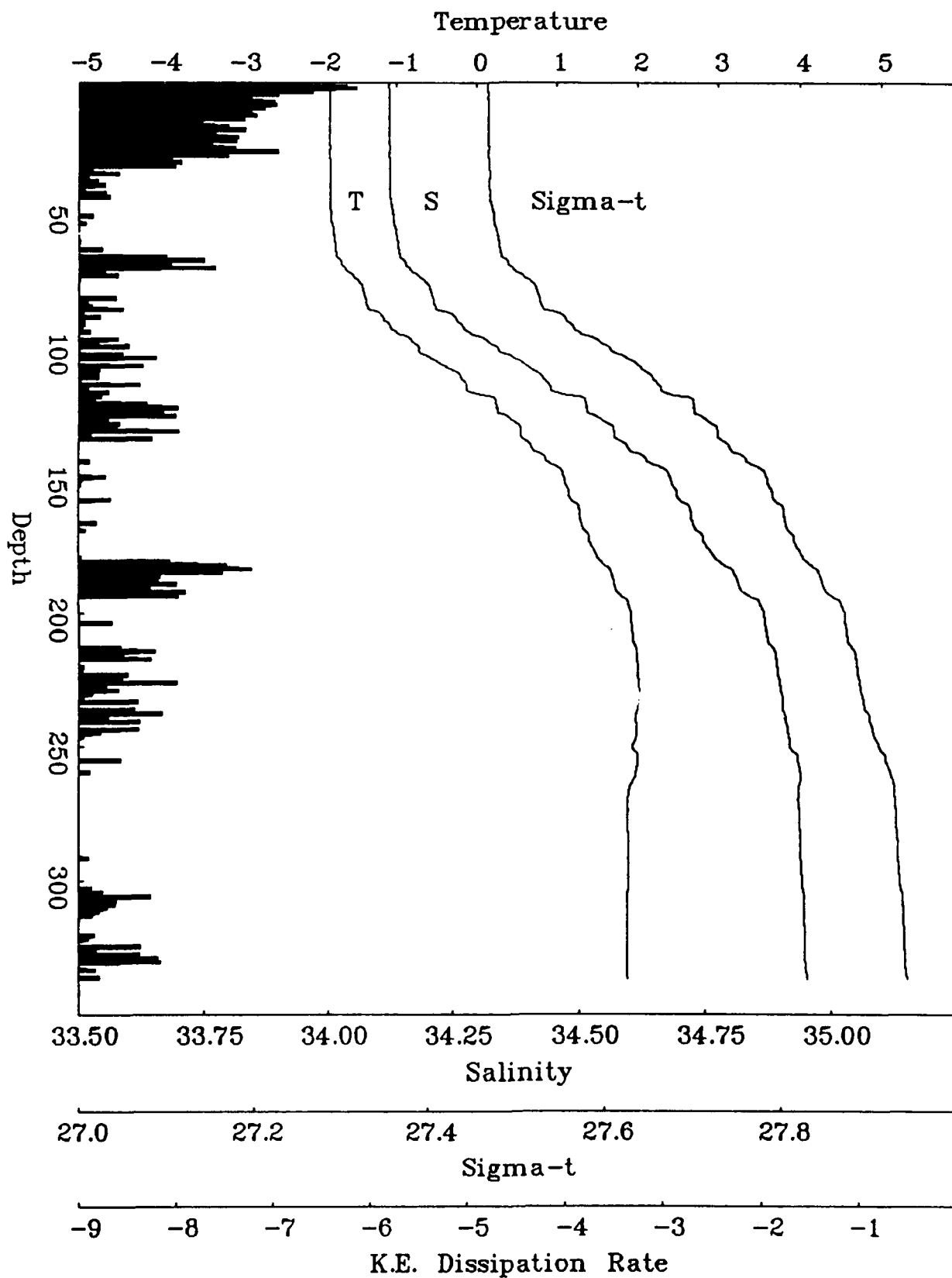
CEAREX Cast 725, JD 102.5016, 11:54, 82.67N, 10.76E



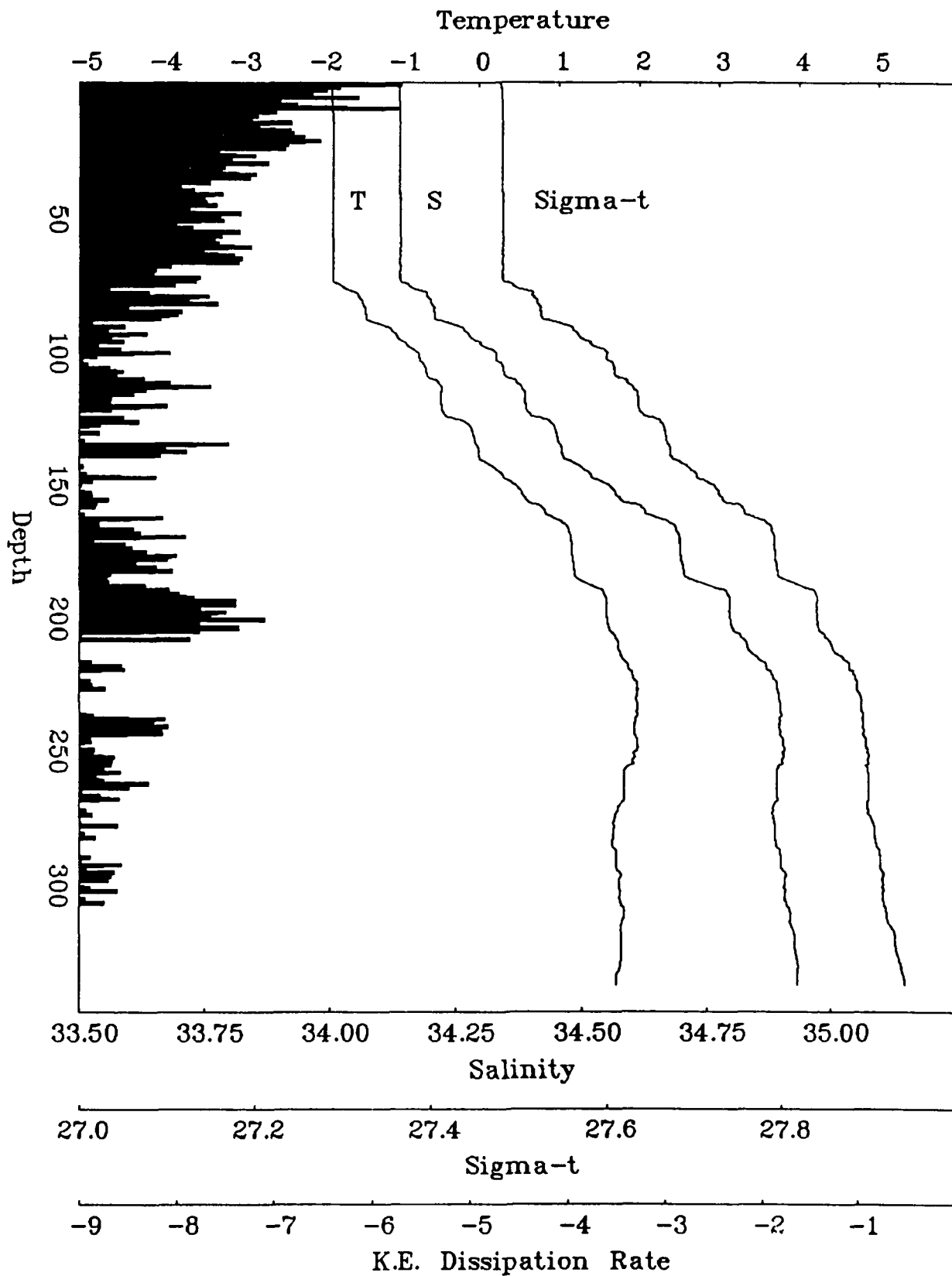
CEAREX Cast 739, JD 102.6716, 15:59, 82.65N, 10.62E



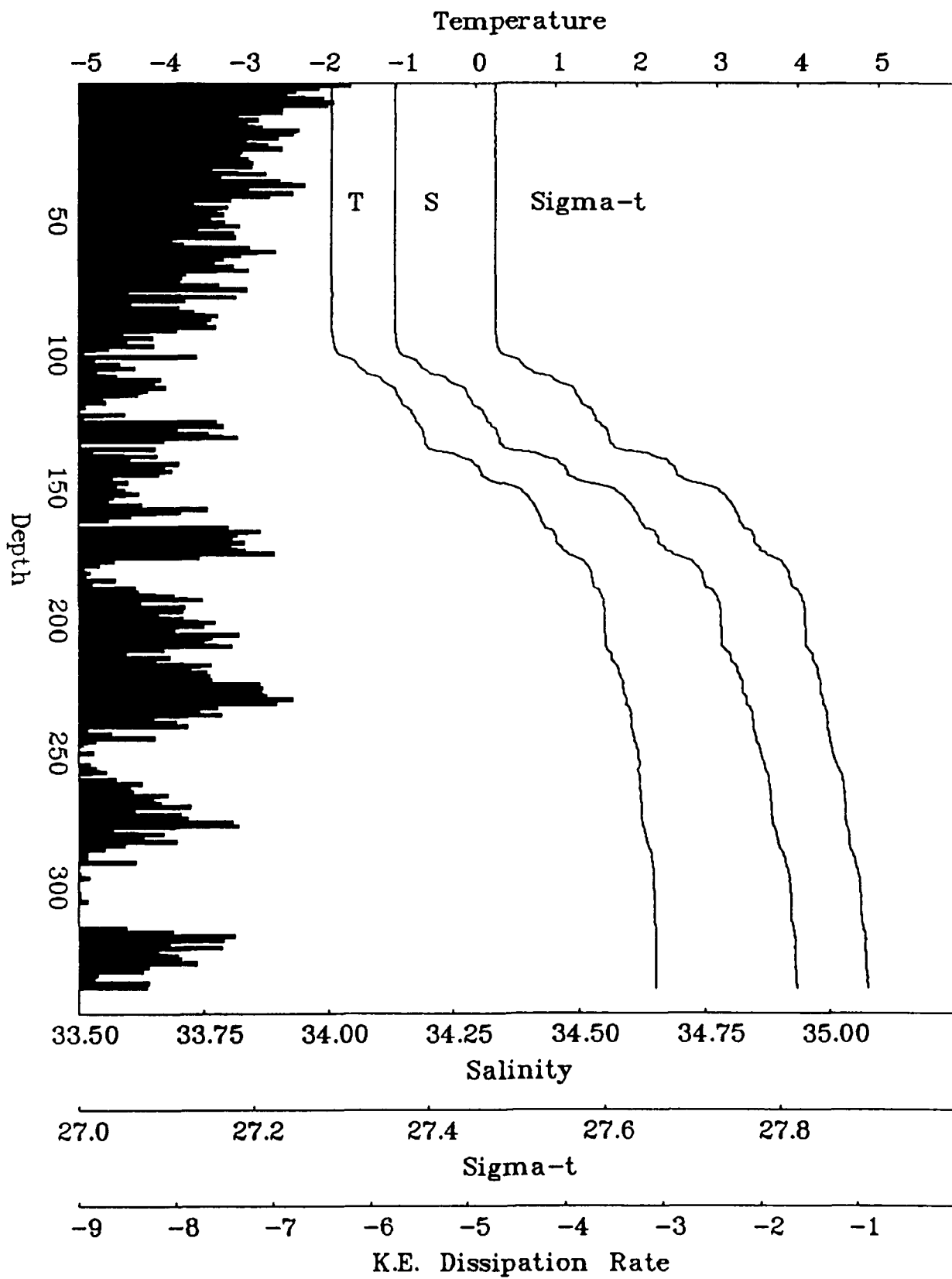
CEAREX Cast 750, JD 102.8383, 19:59, 82.64N, 10.41E



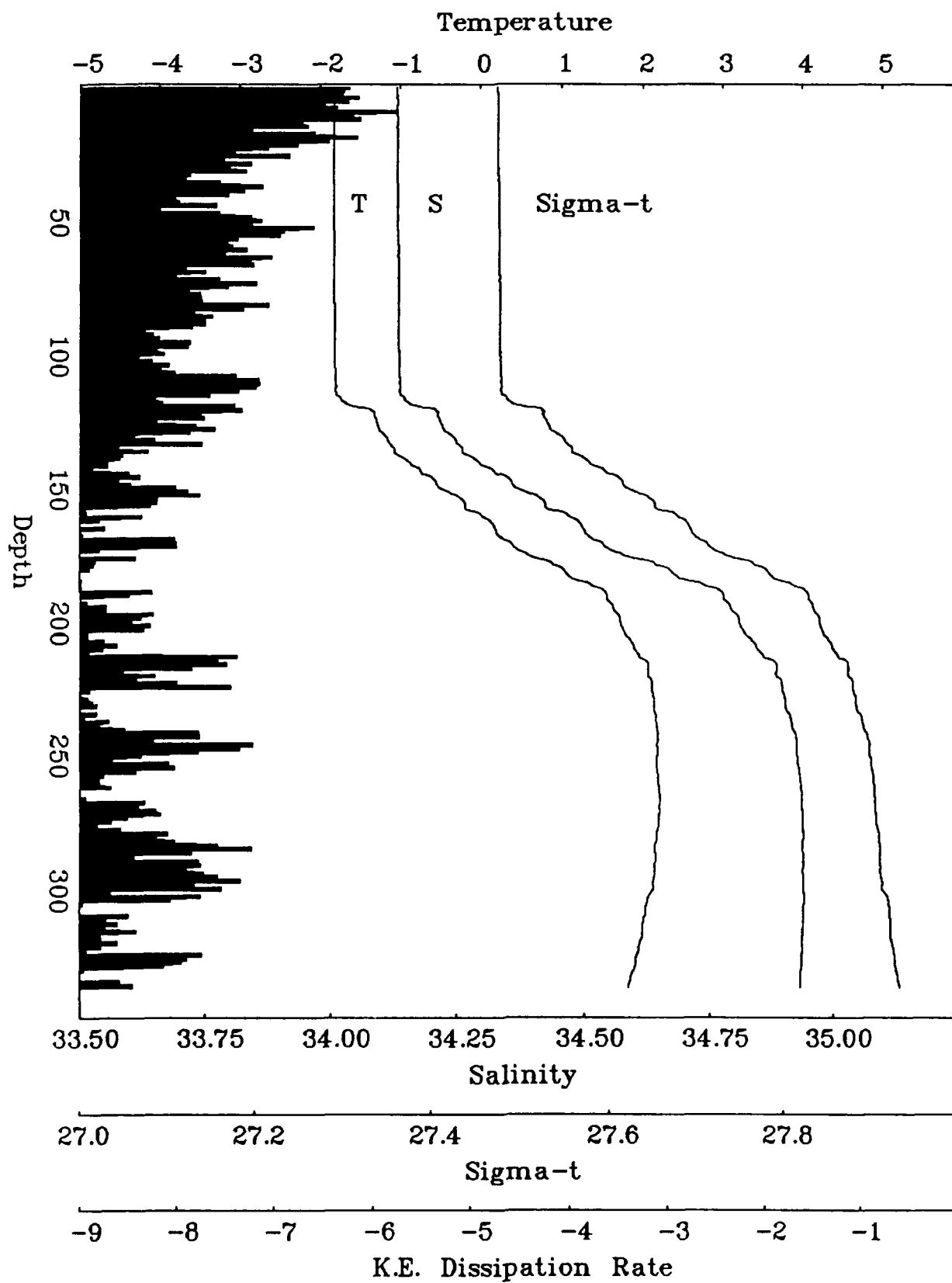
CEAREX Cast 760, JD 103.0041, 23:57, 82.64N, 10.19E



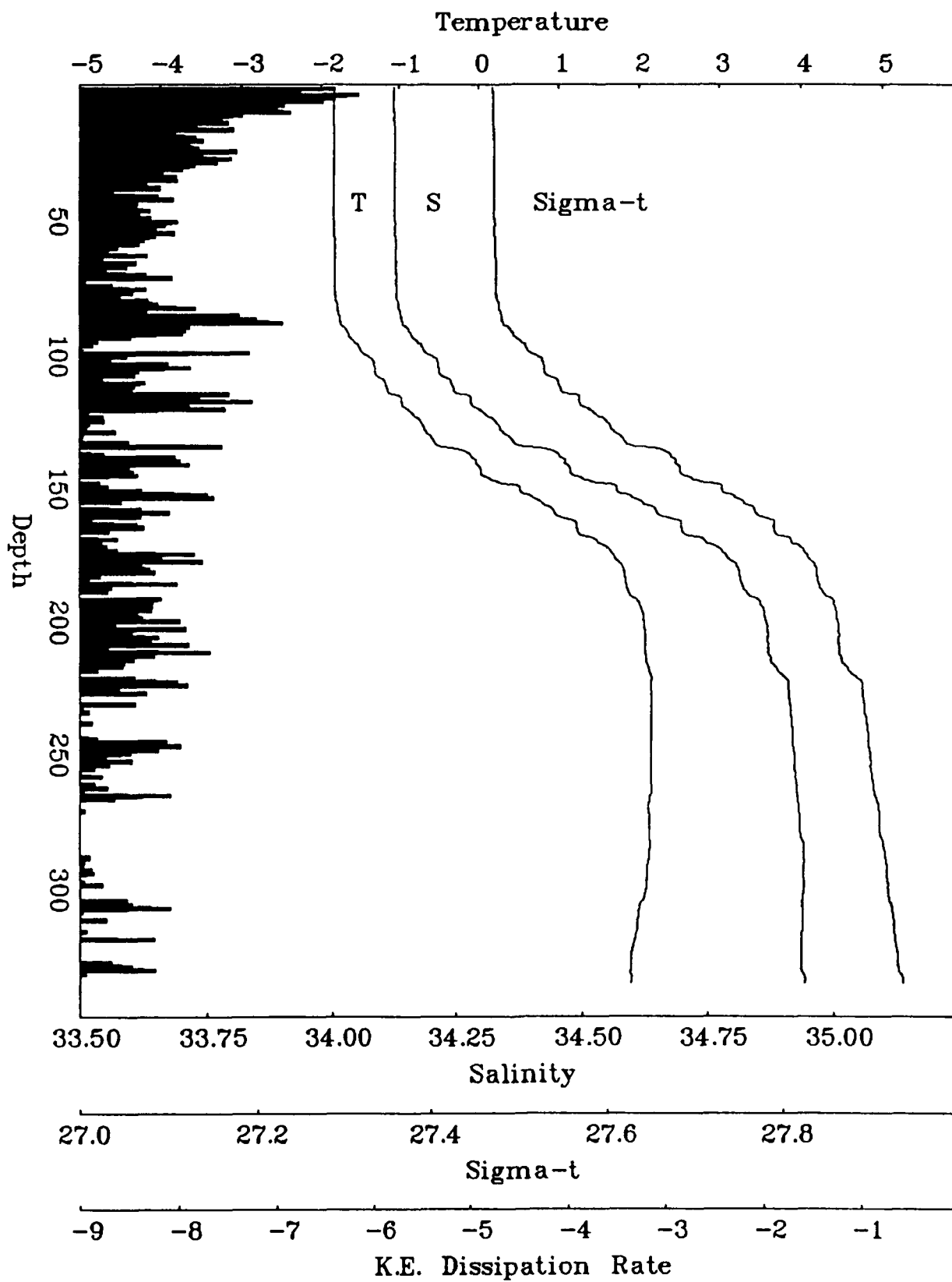
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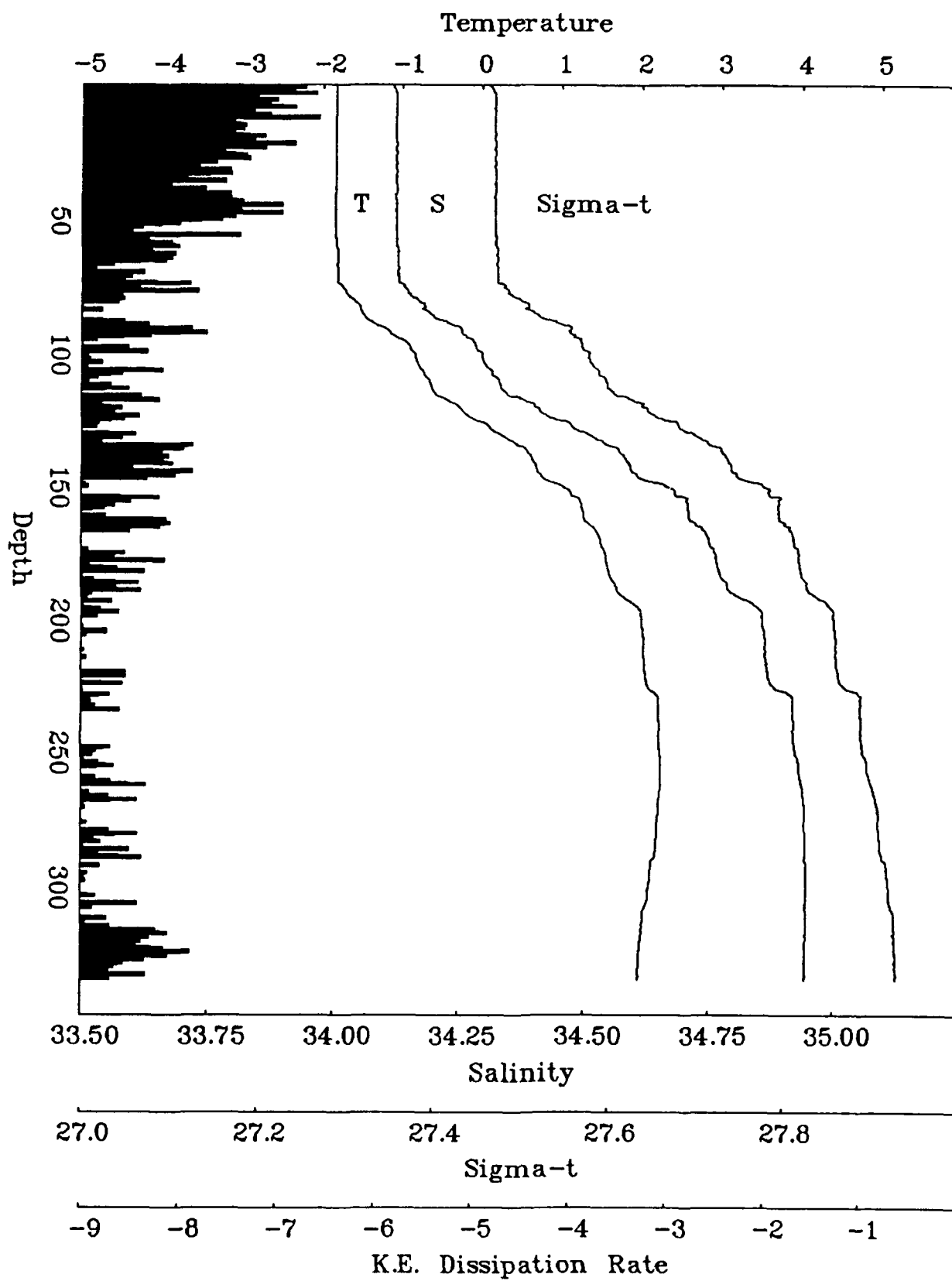
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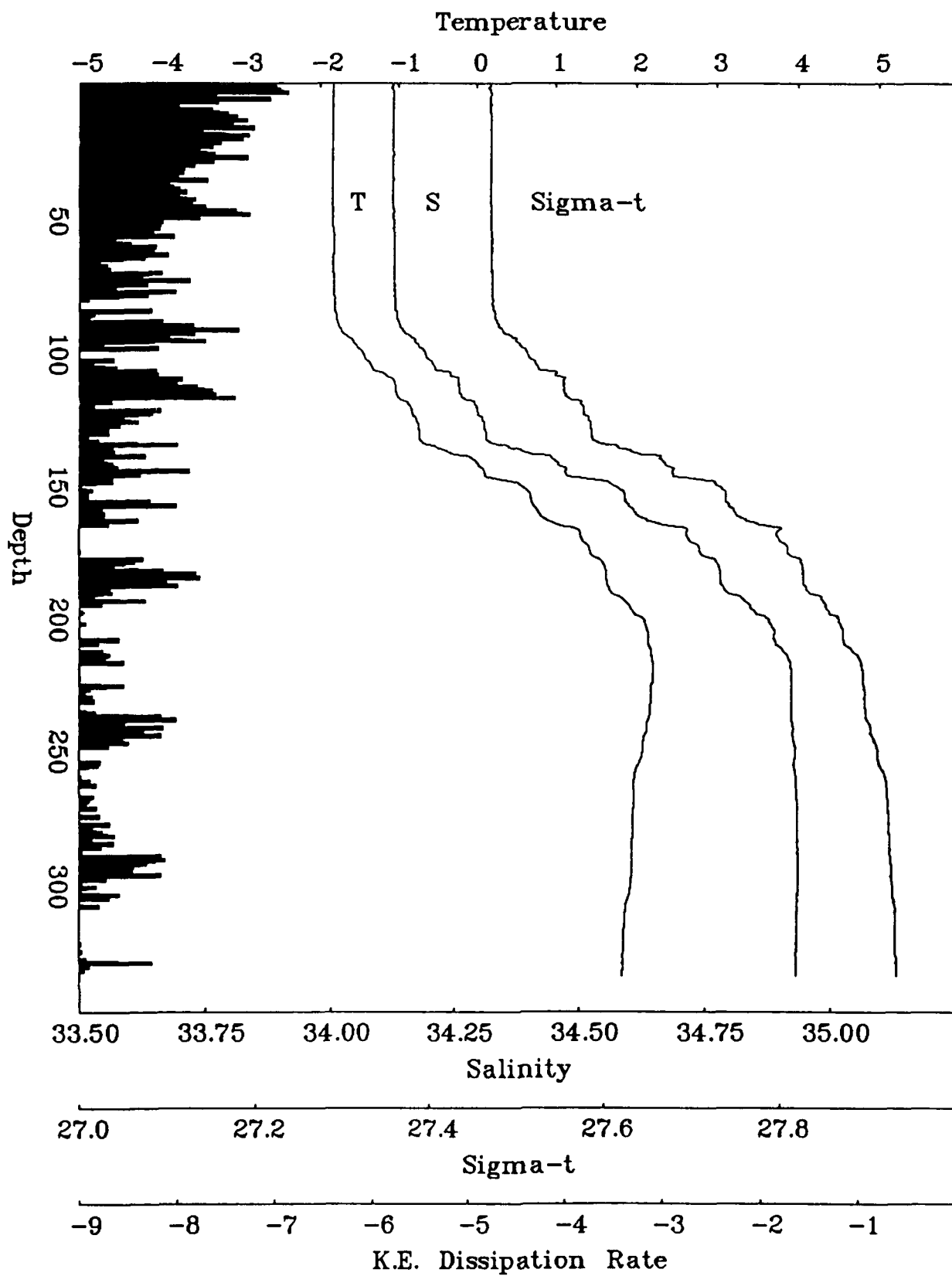
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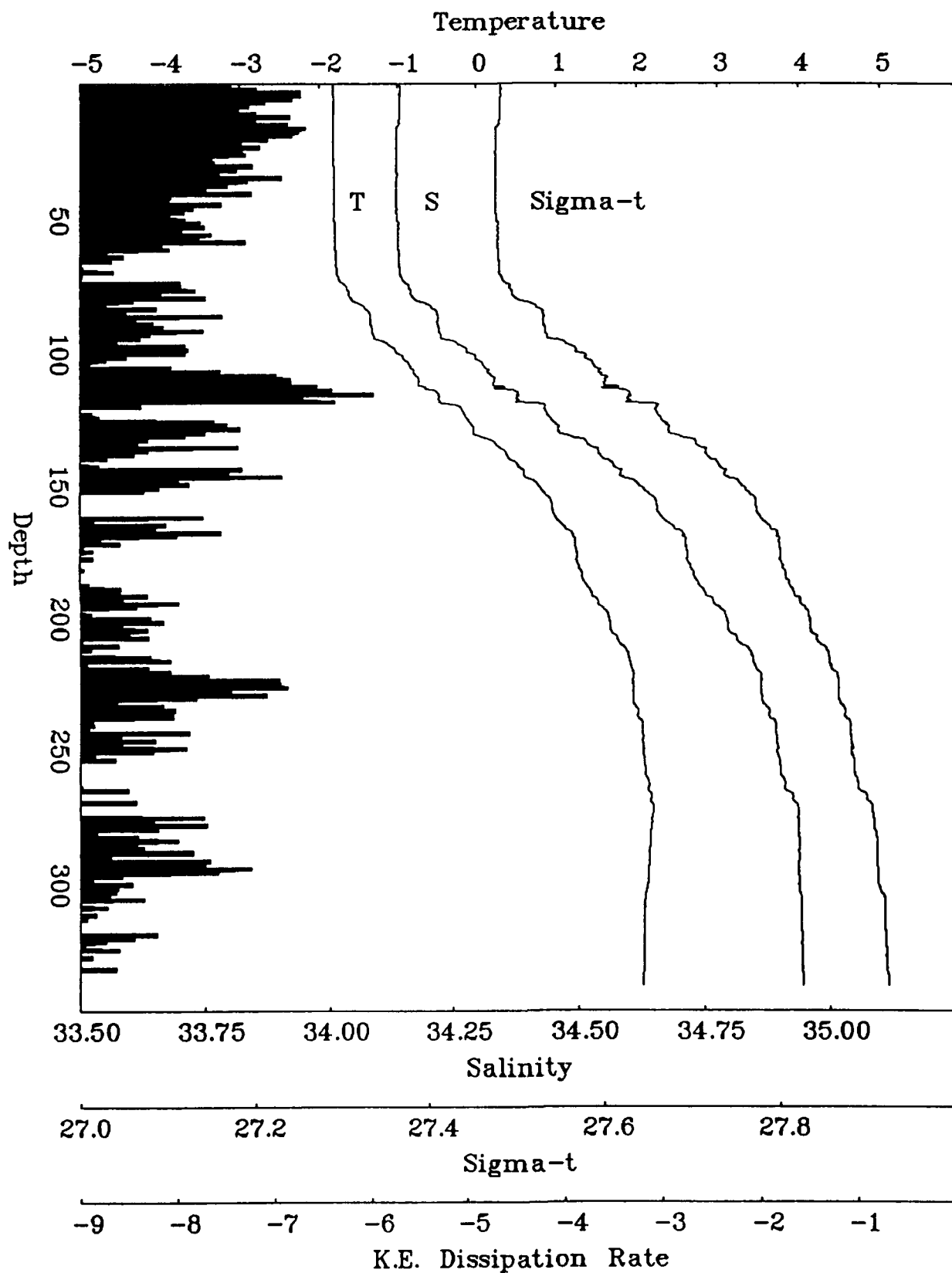
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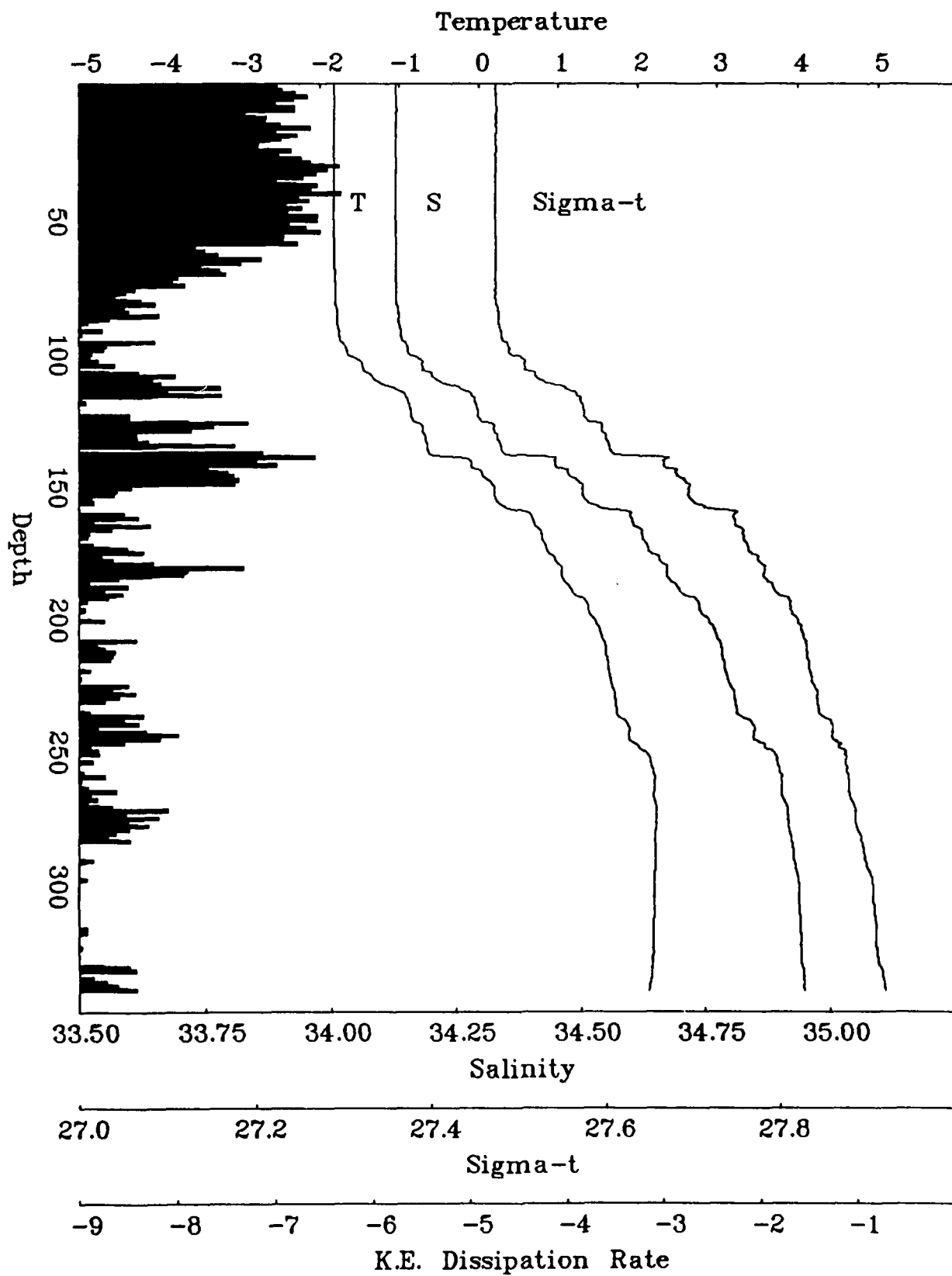
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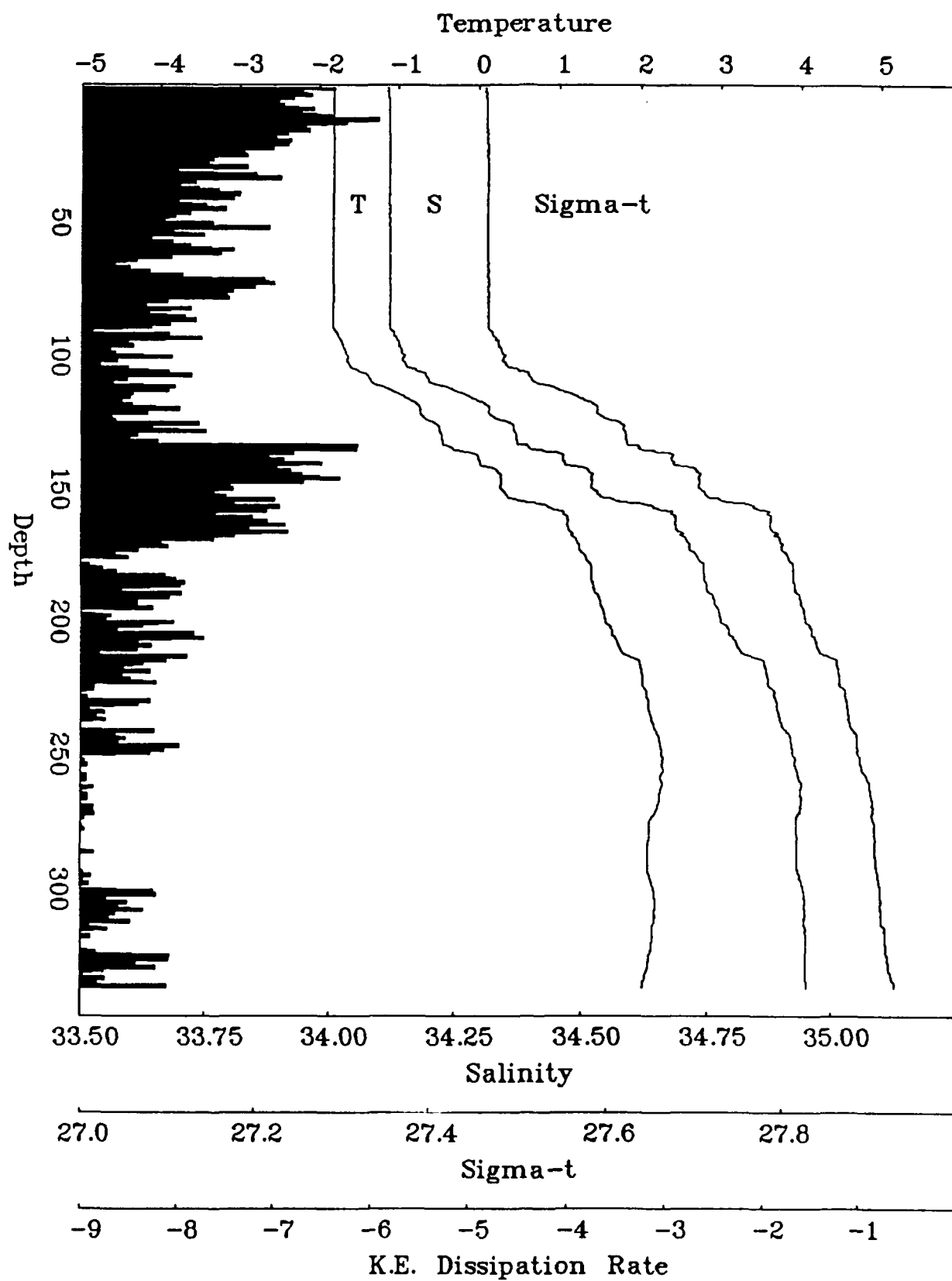
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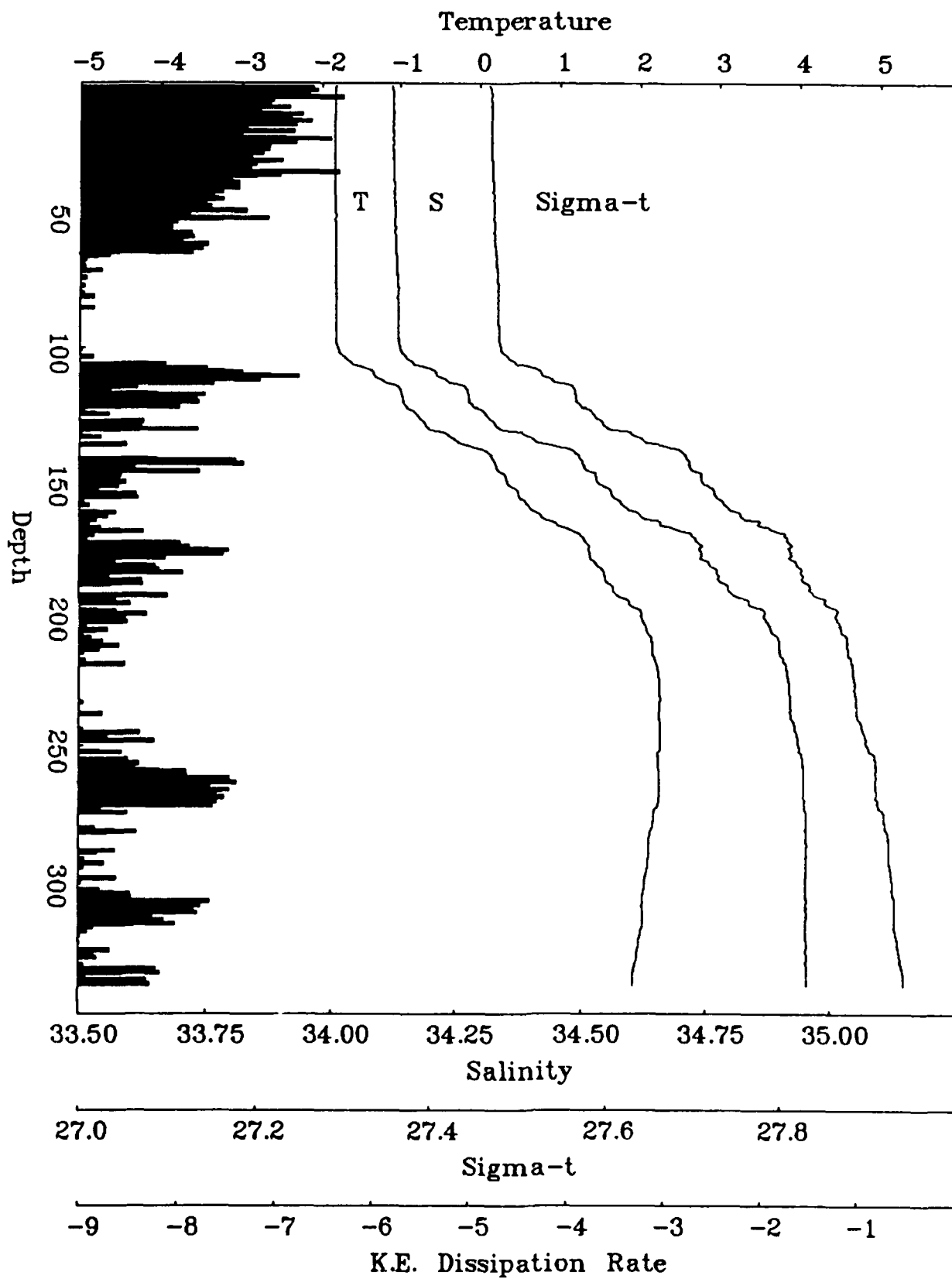
CEAREX Cast 854, JD 104.1726, 04:00, 82.65N, 9.39E



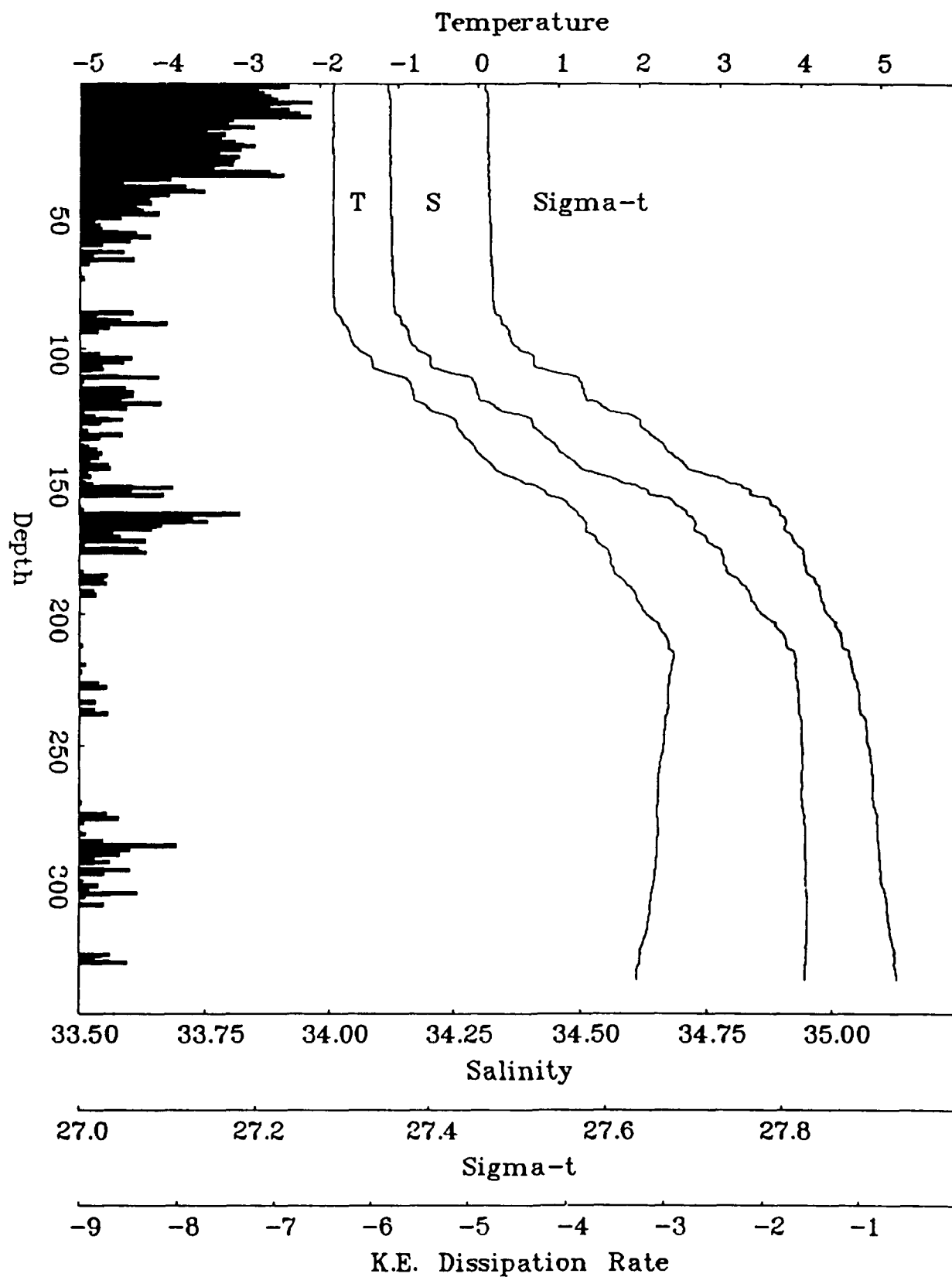
CEAREX Cast 867, JD 104.3419, 08:04, 82.65N, 9.31E



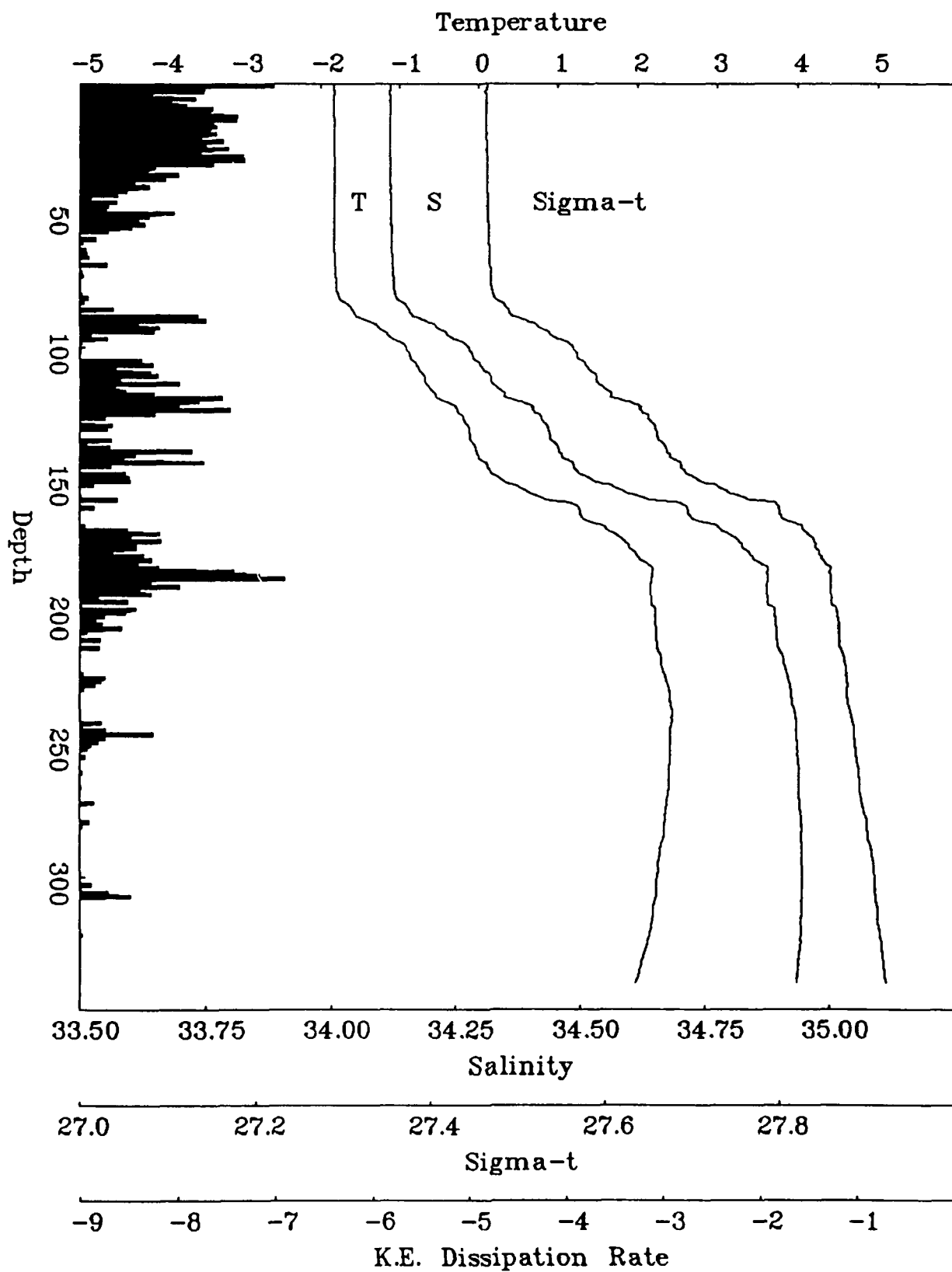
CEAREX Cast 881, JD 104.5054, 11:59, 82.65N, 9.26E



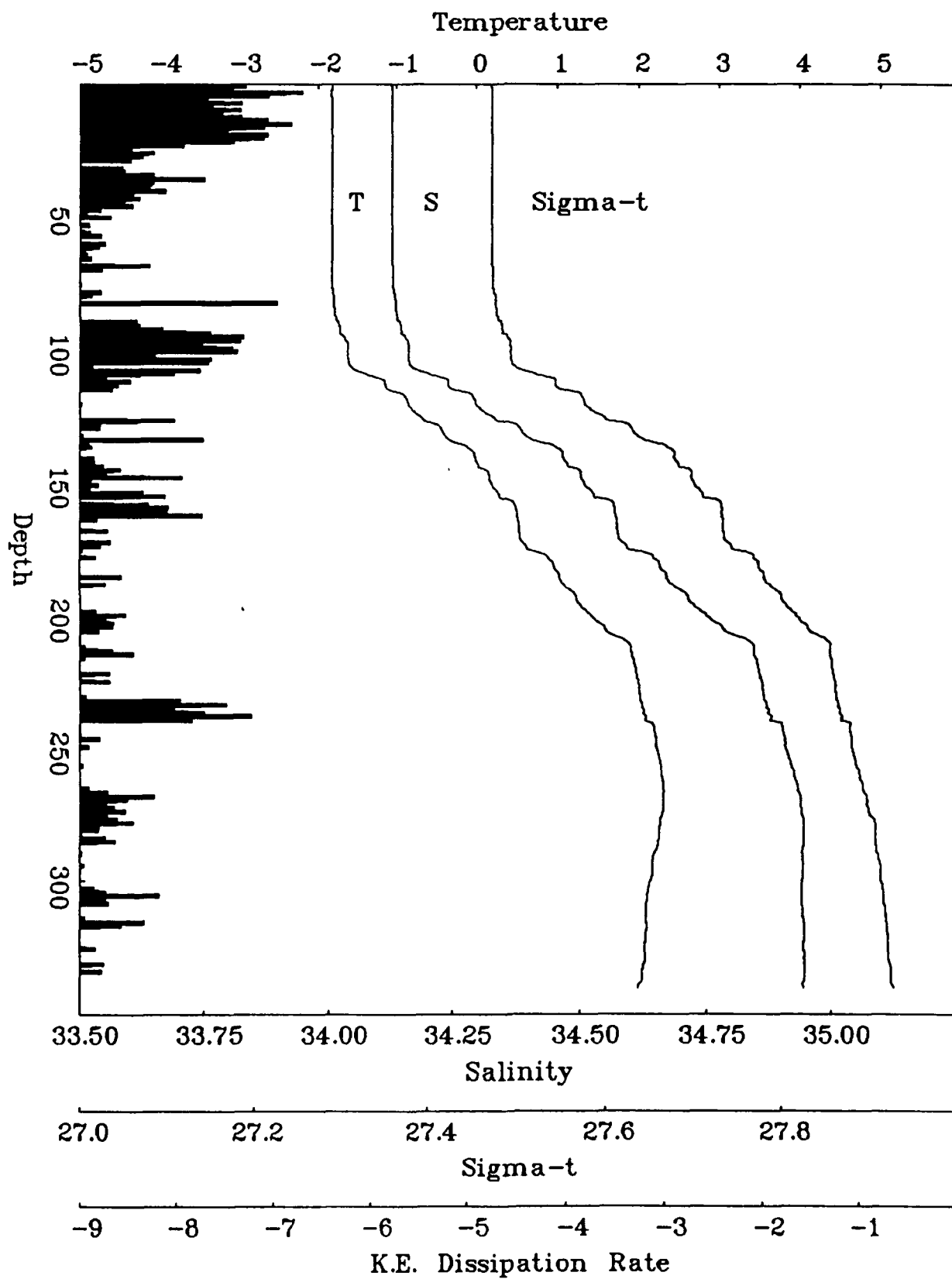
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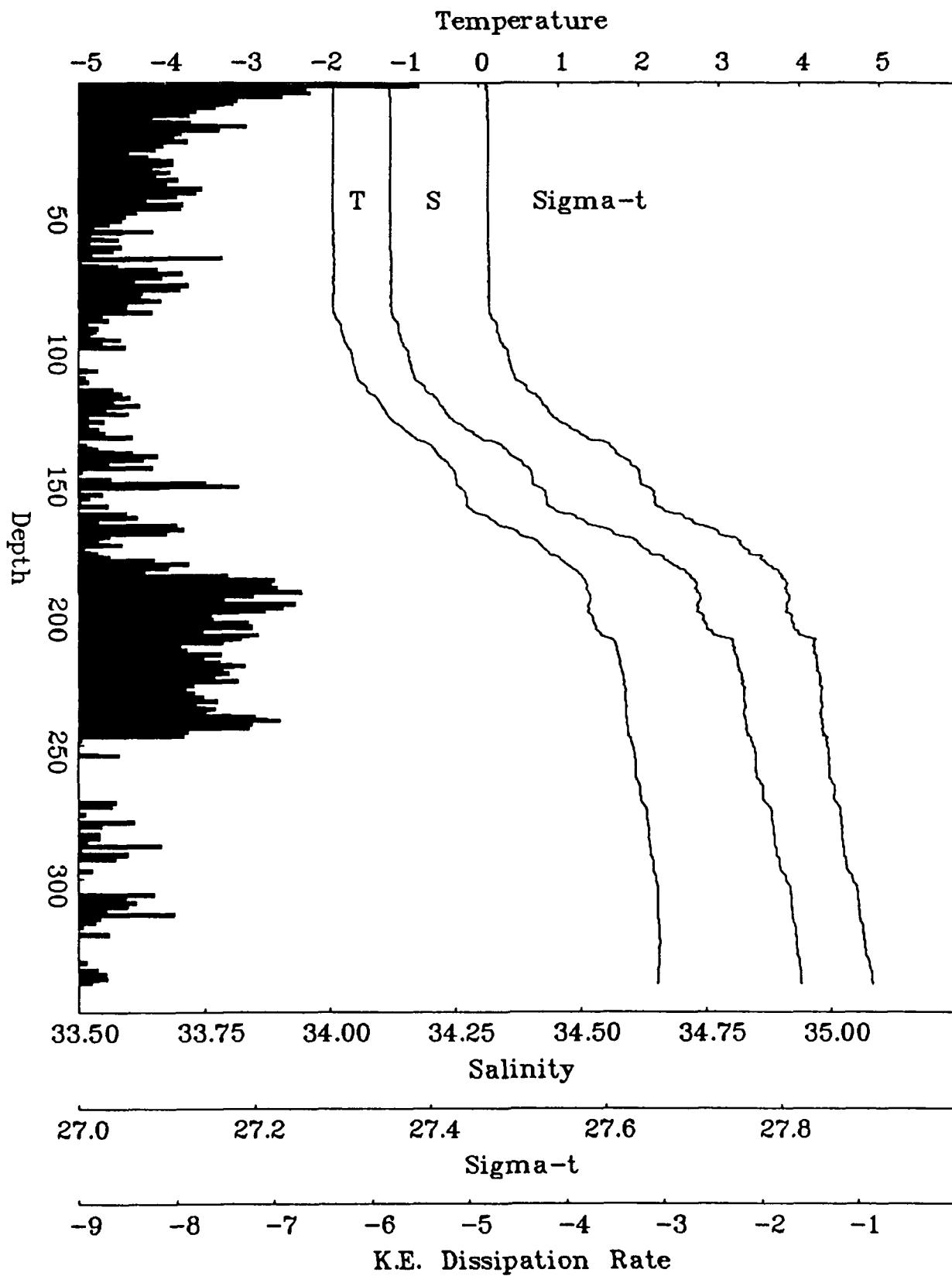
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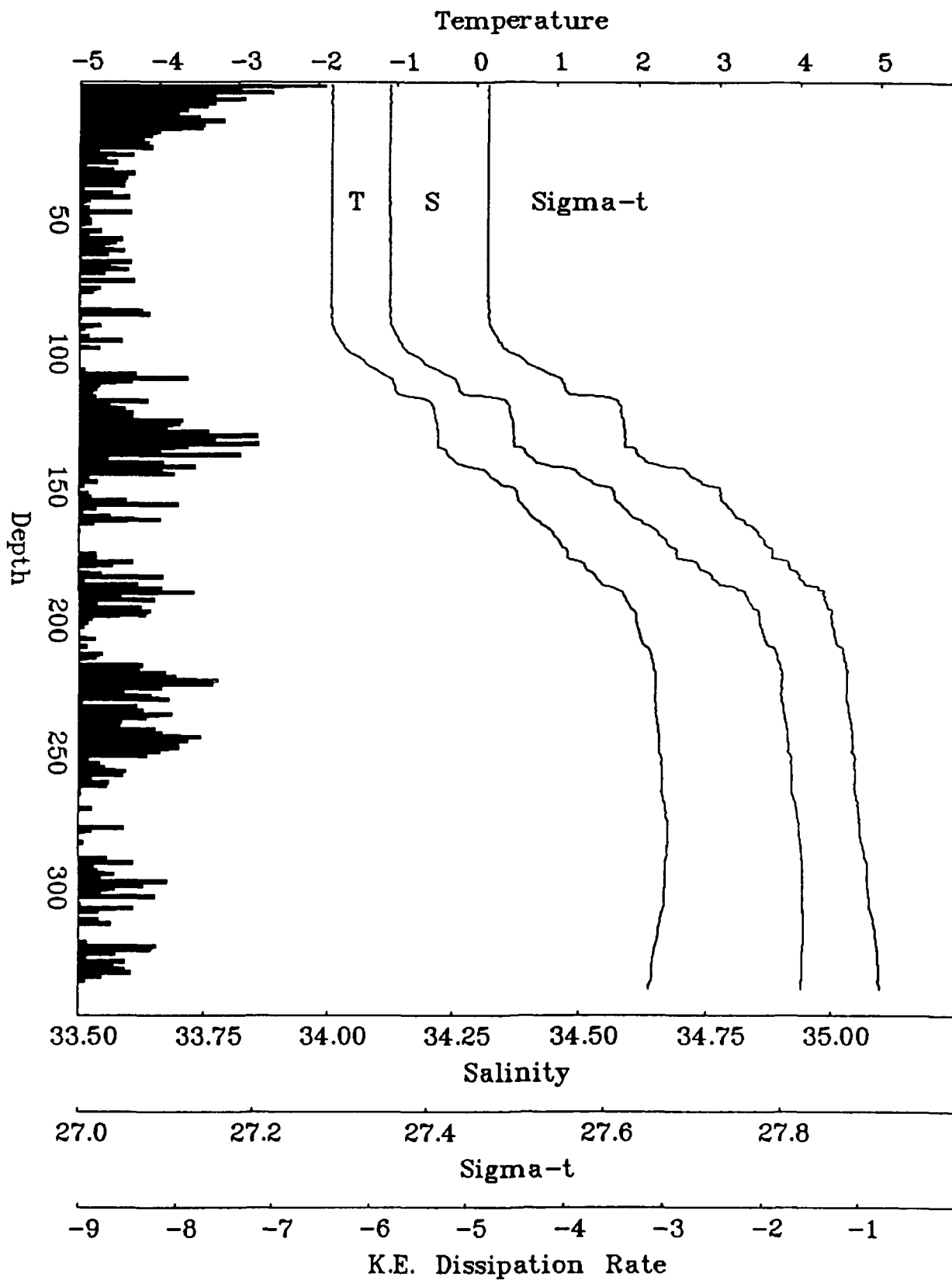
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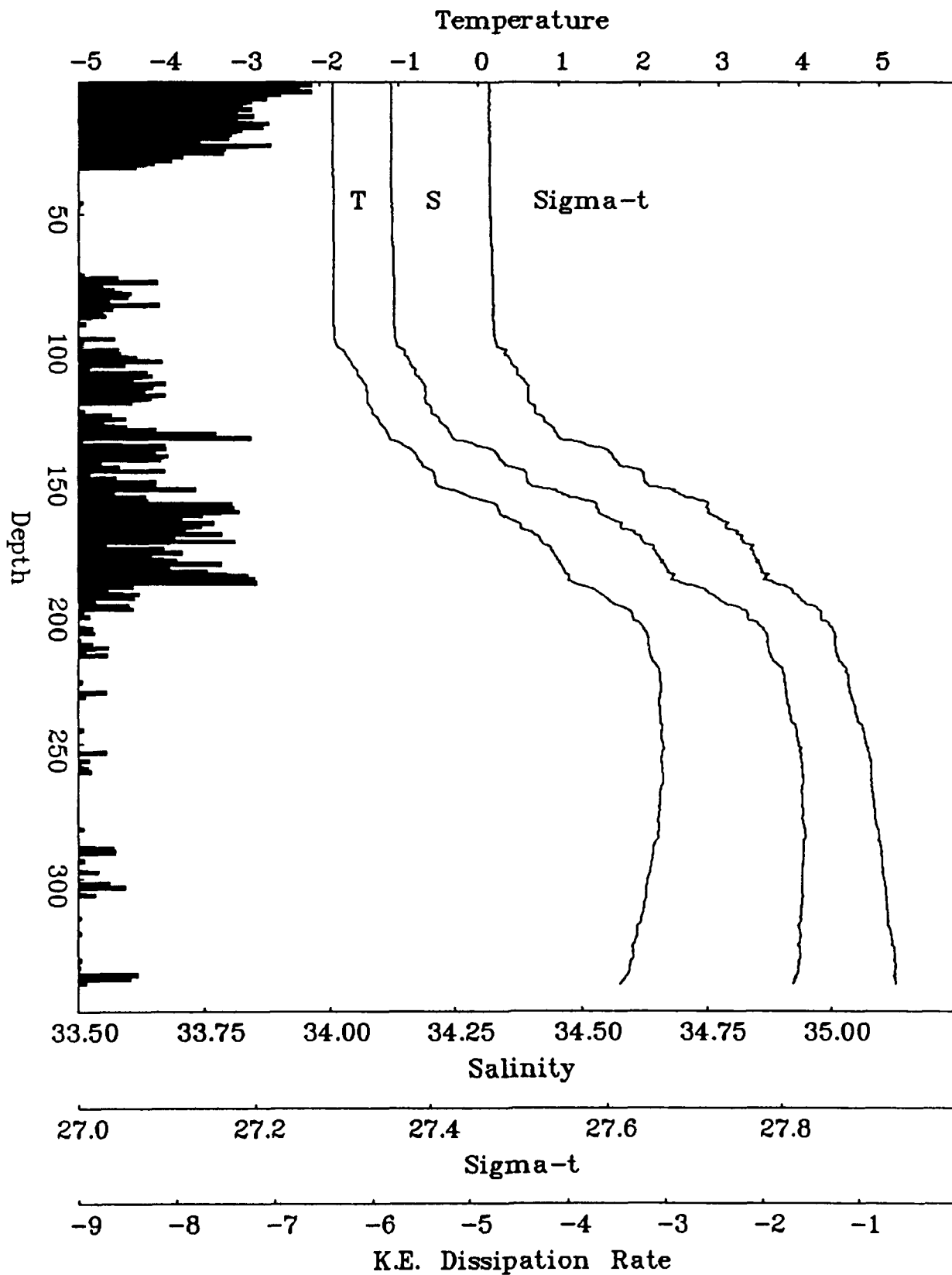
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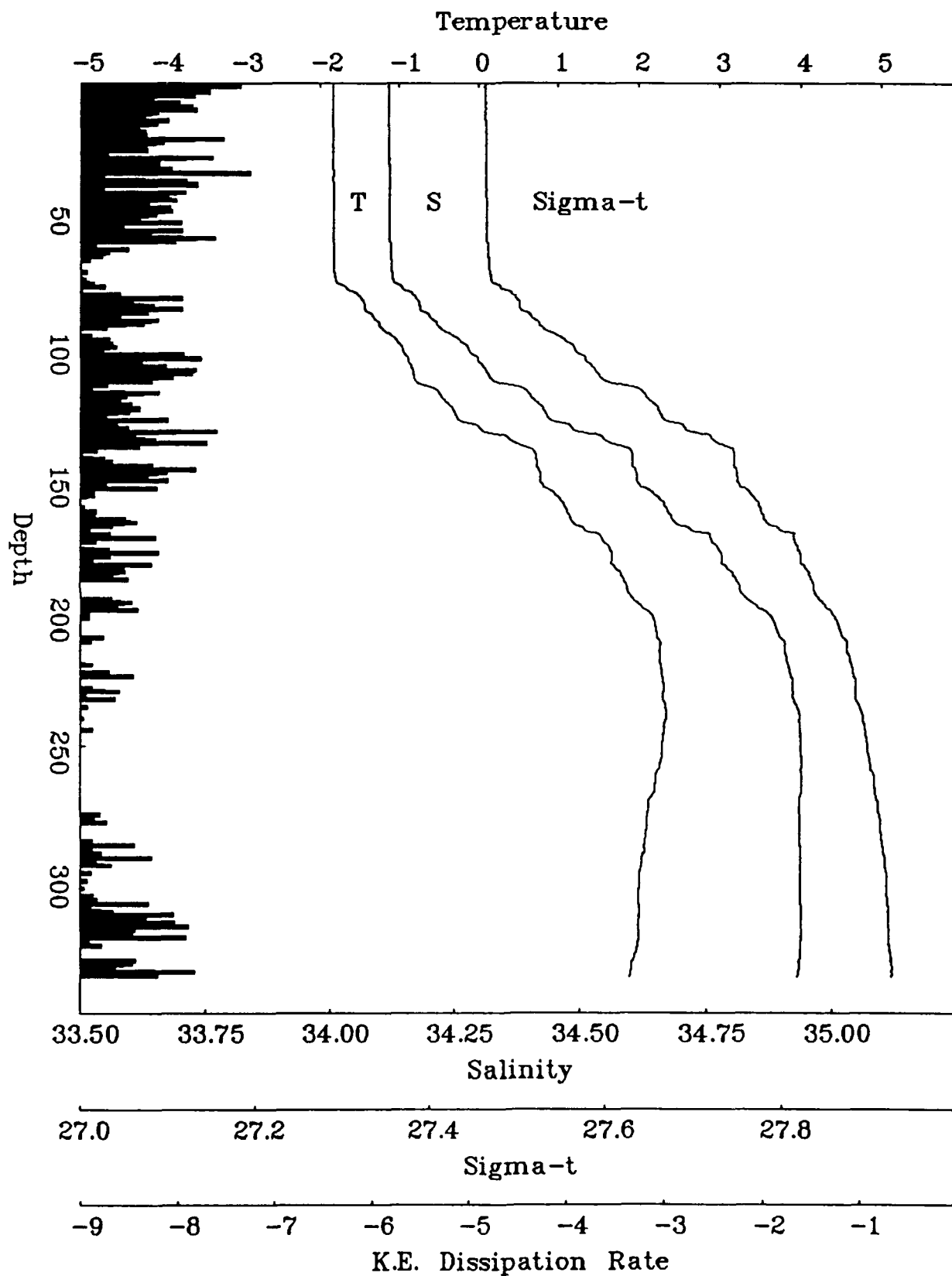
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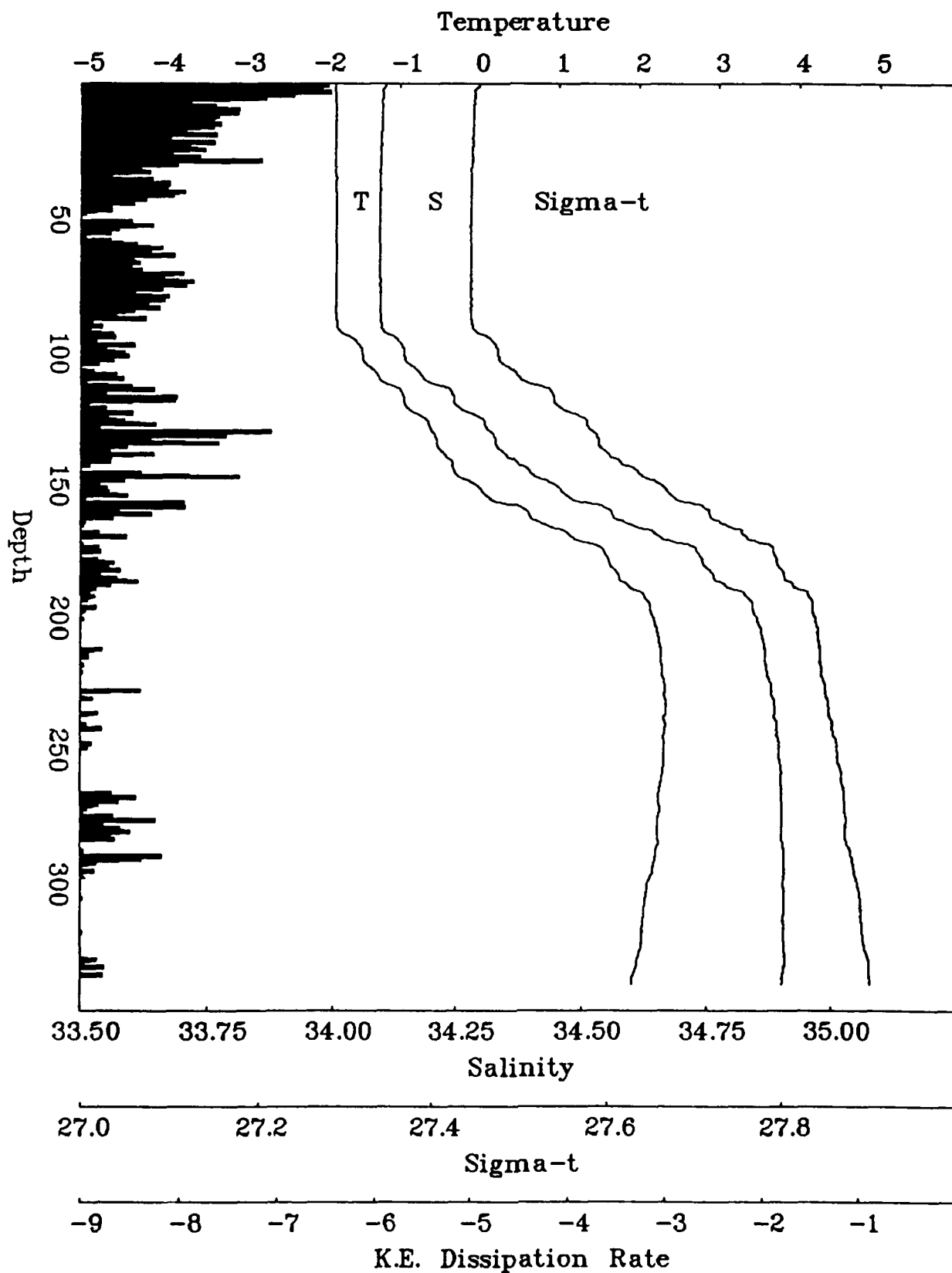
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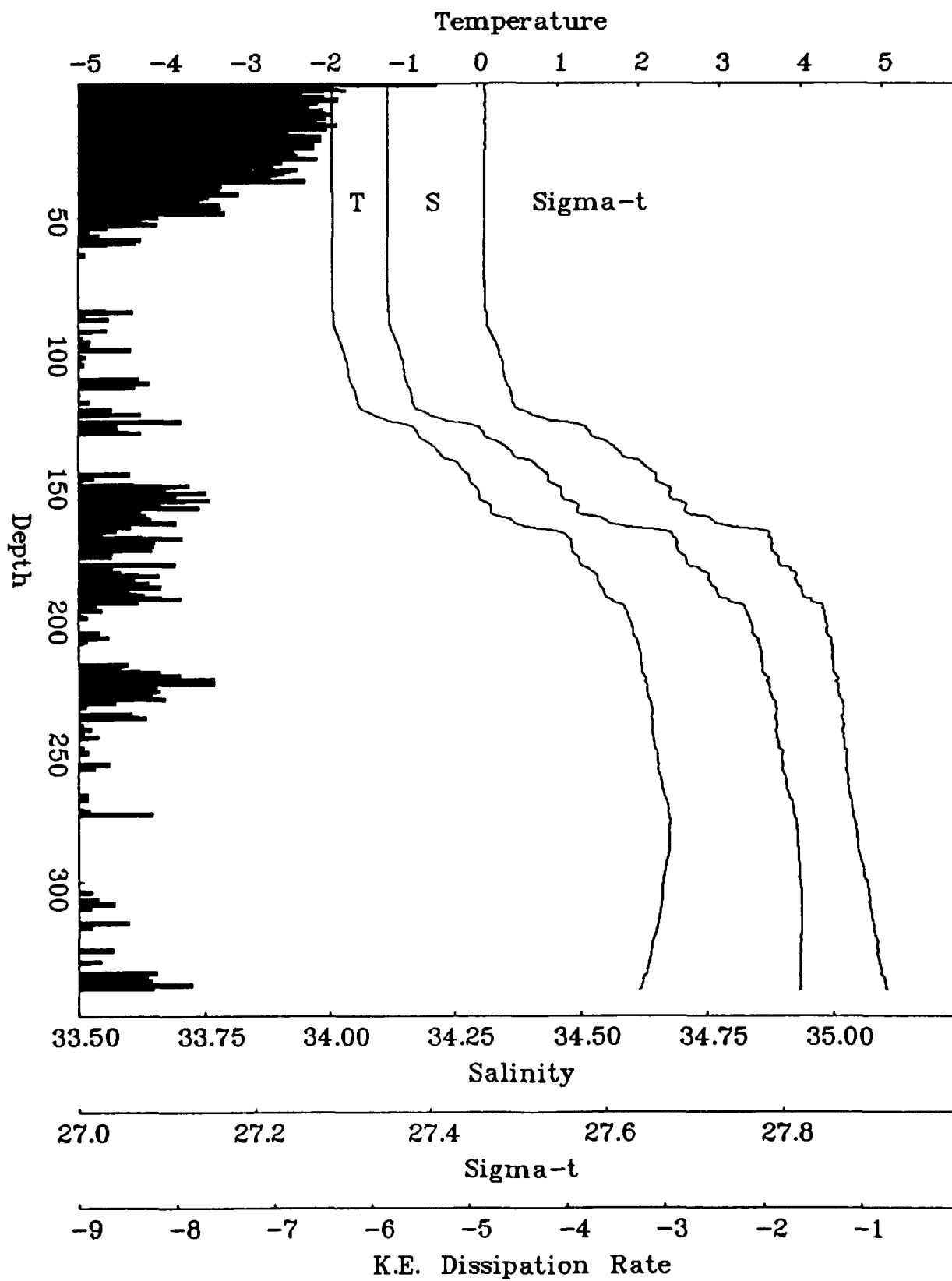
CEAREX Cast 963, JD 105.6716, 15:59, 82.65N, 8.89E



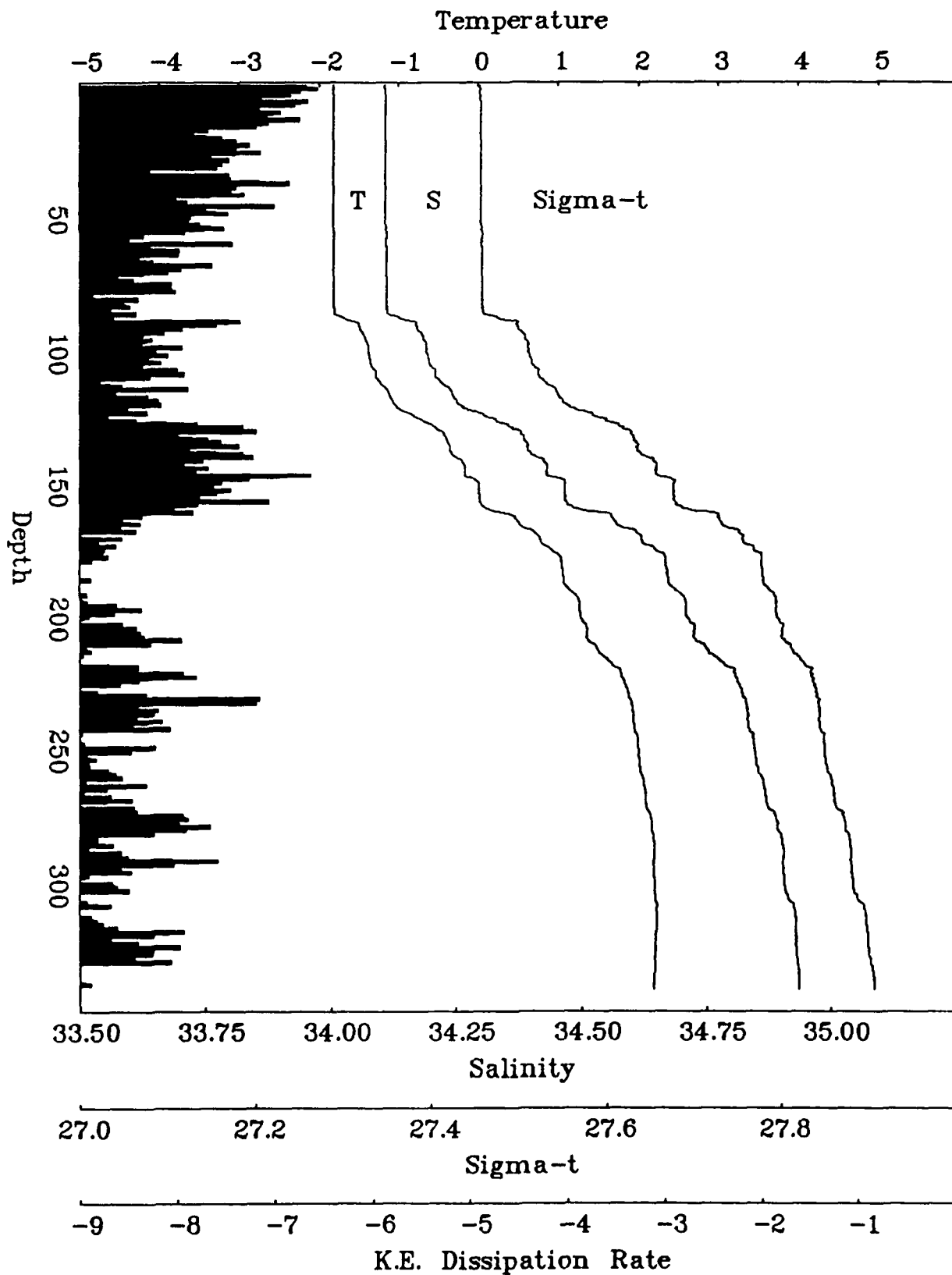
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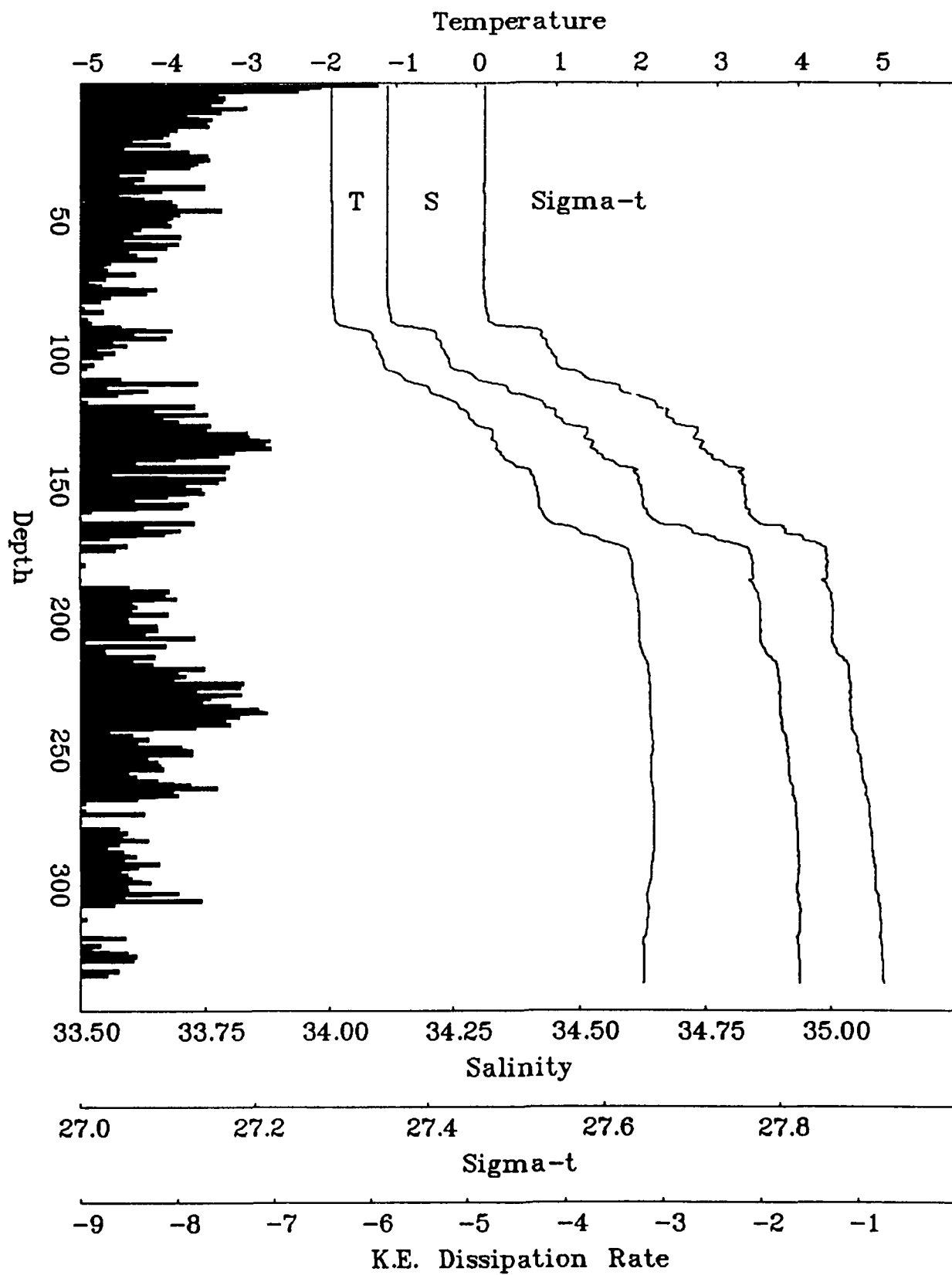
CEAREX Cast 979, JD 106.0079, 00:03, 82.64N, 8.88E



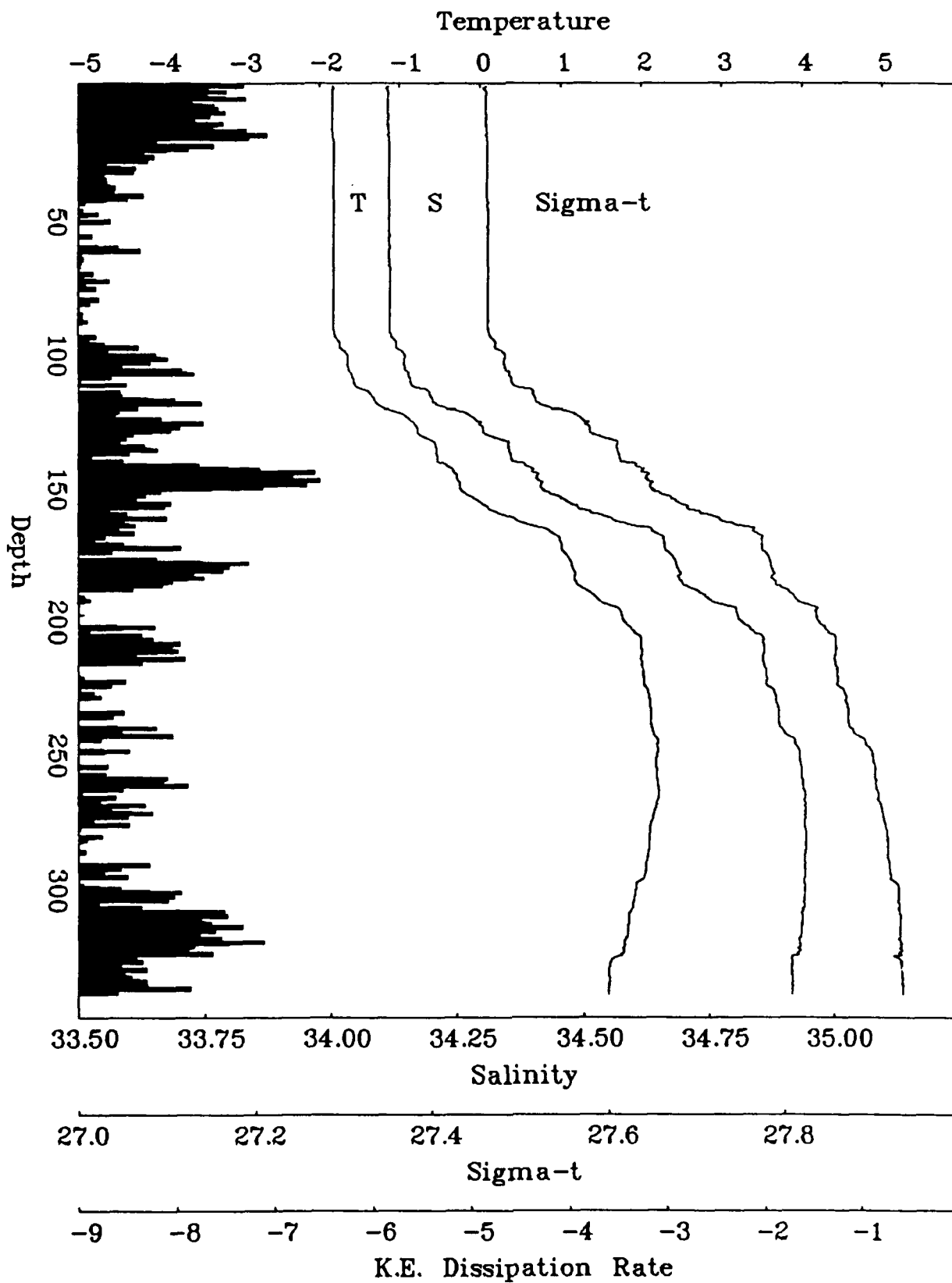
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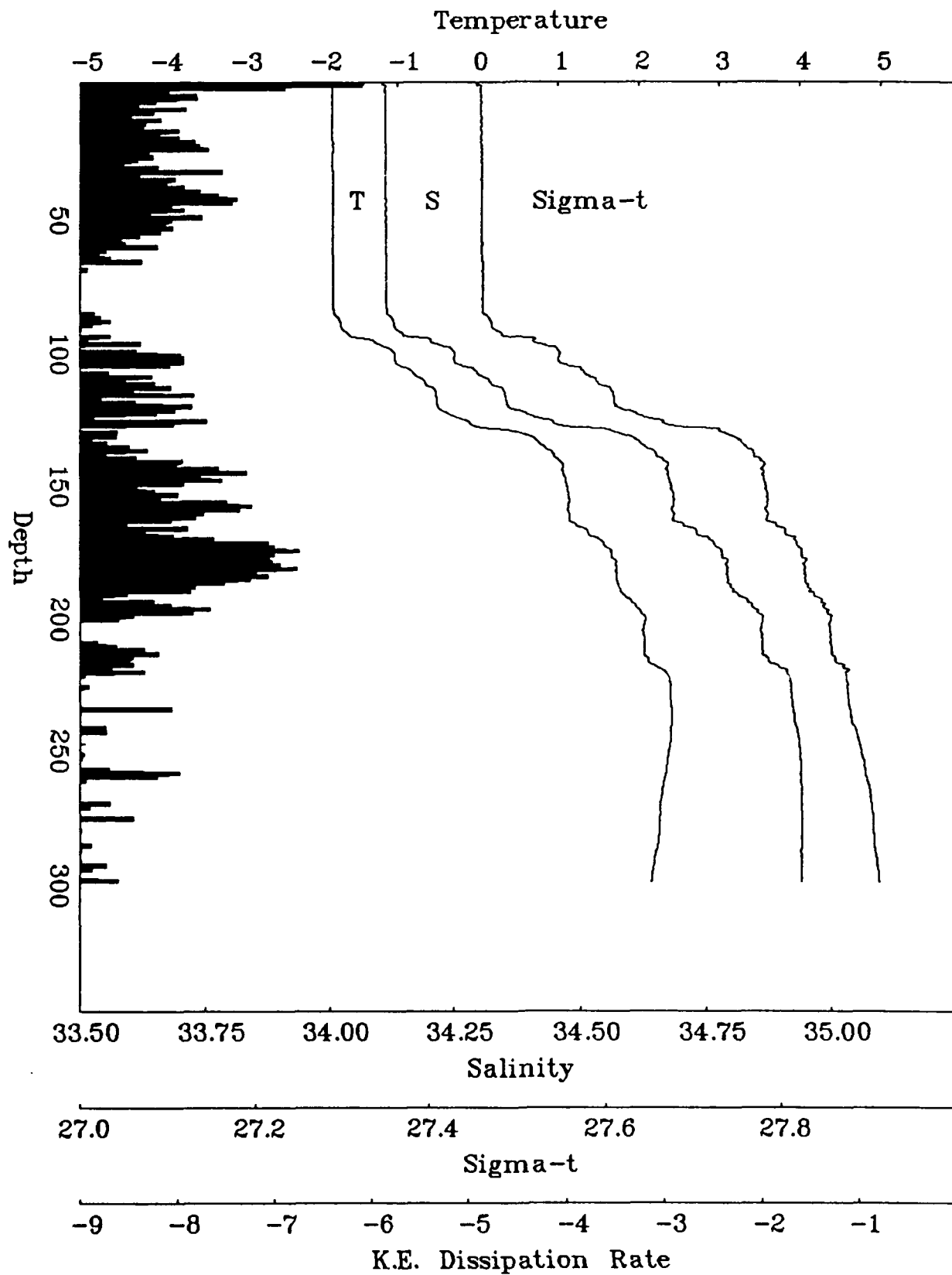
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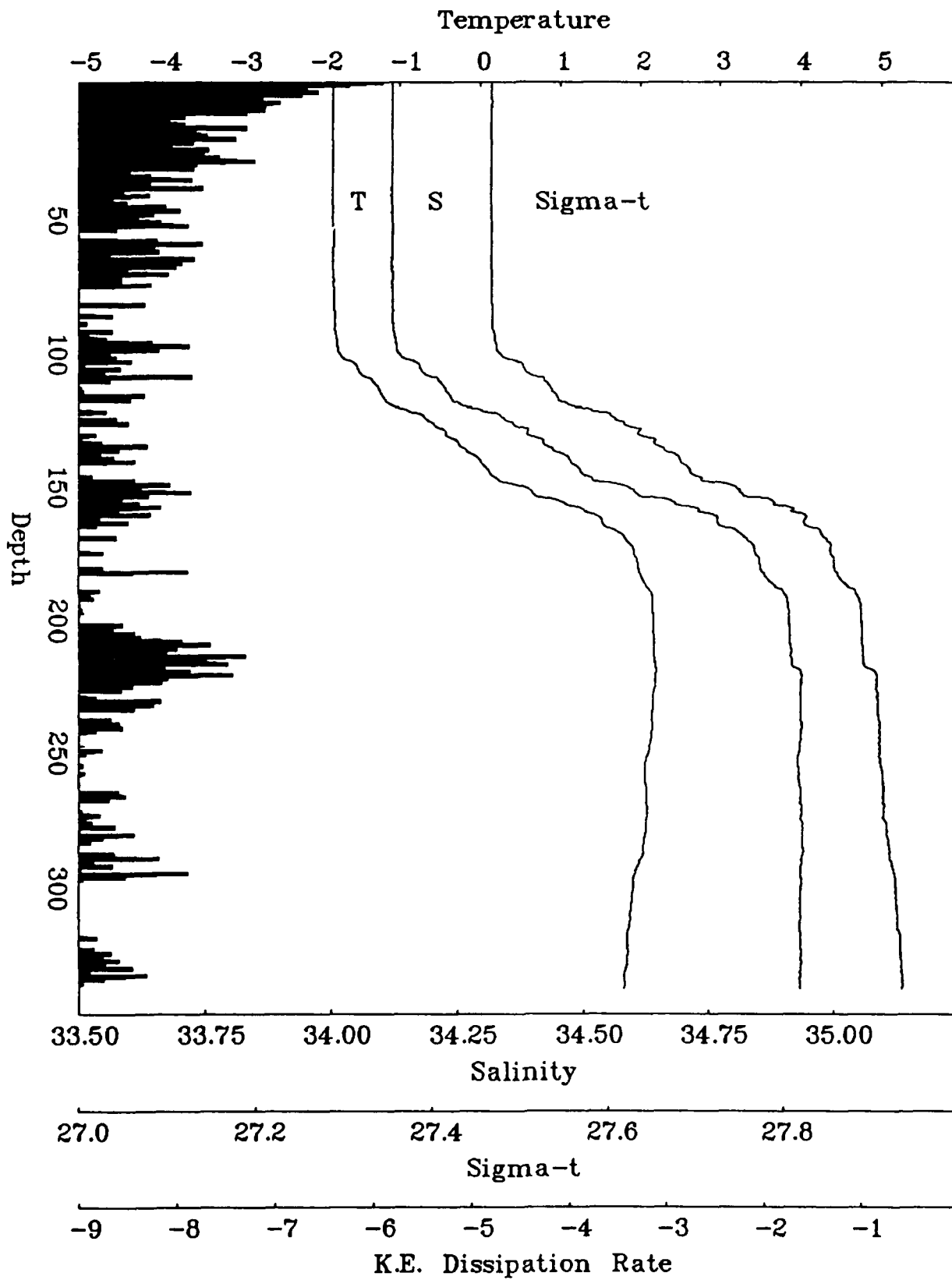
CEAREX Cast 1013, JD 106.5052, 11:59, 82.63N, 8.93E



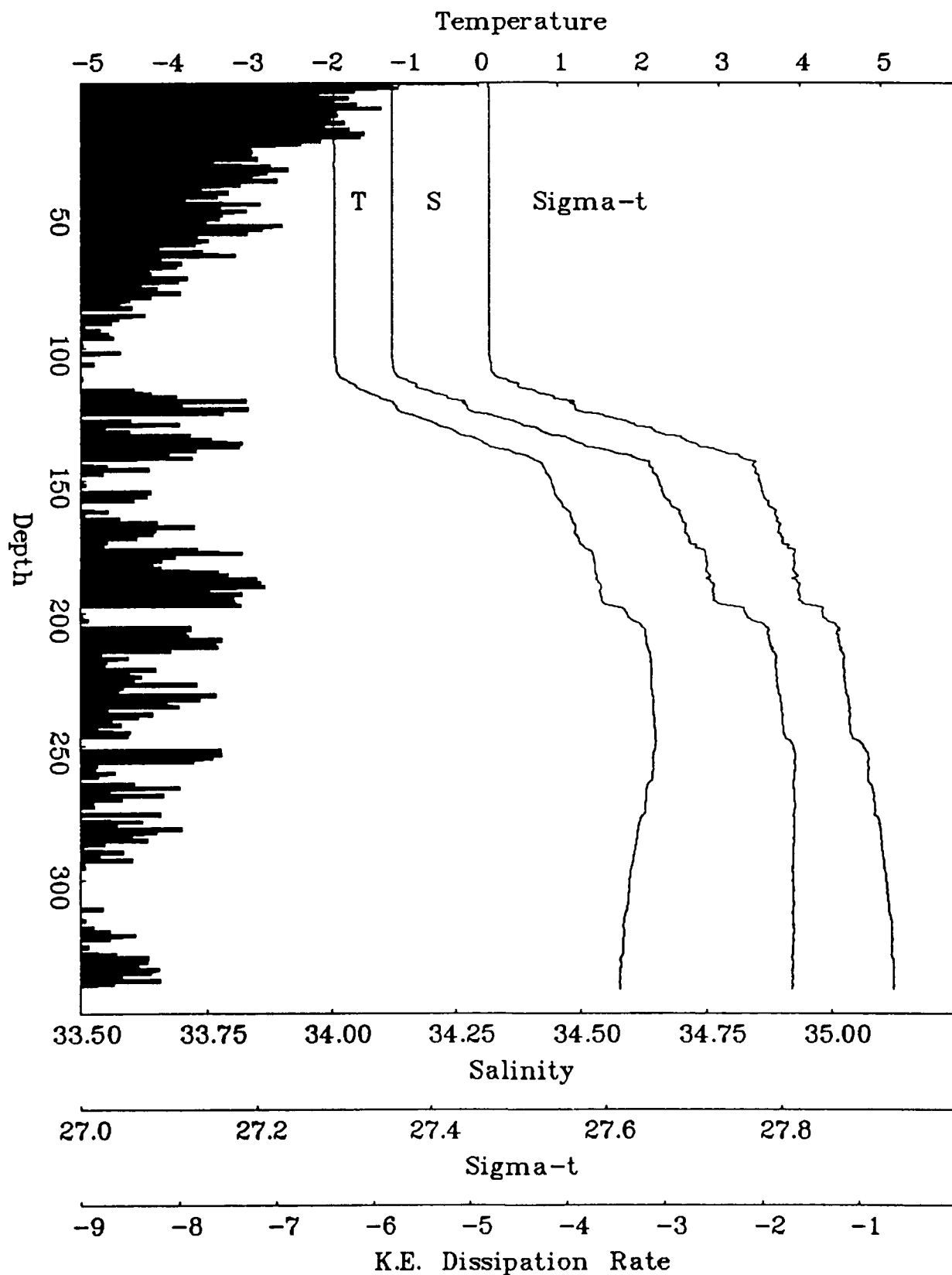
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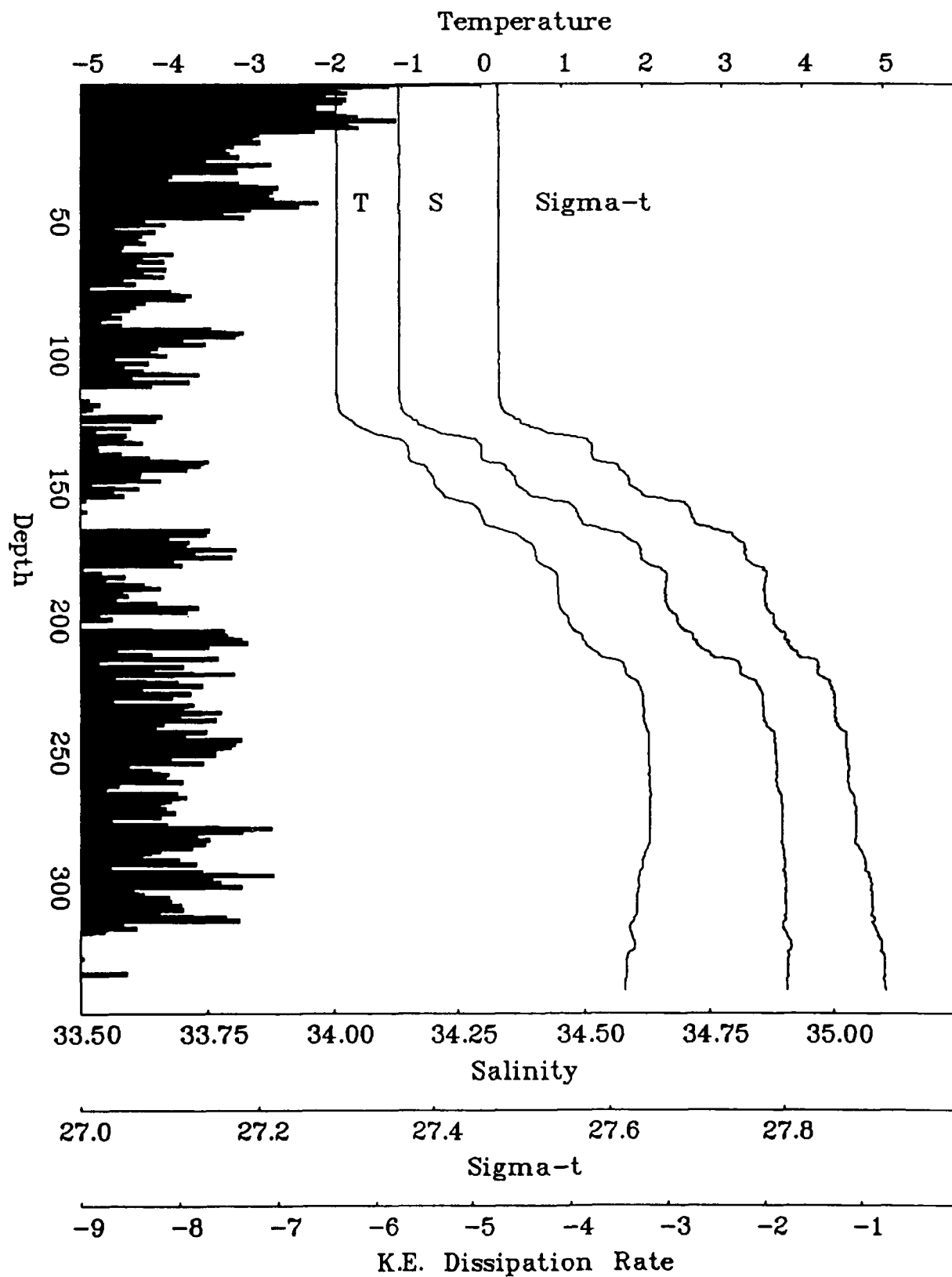
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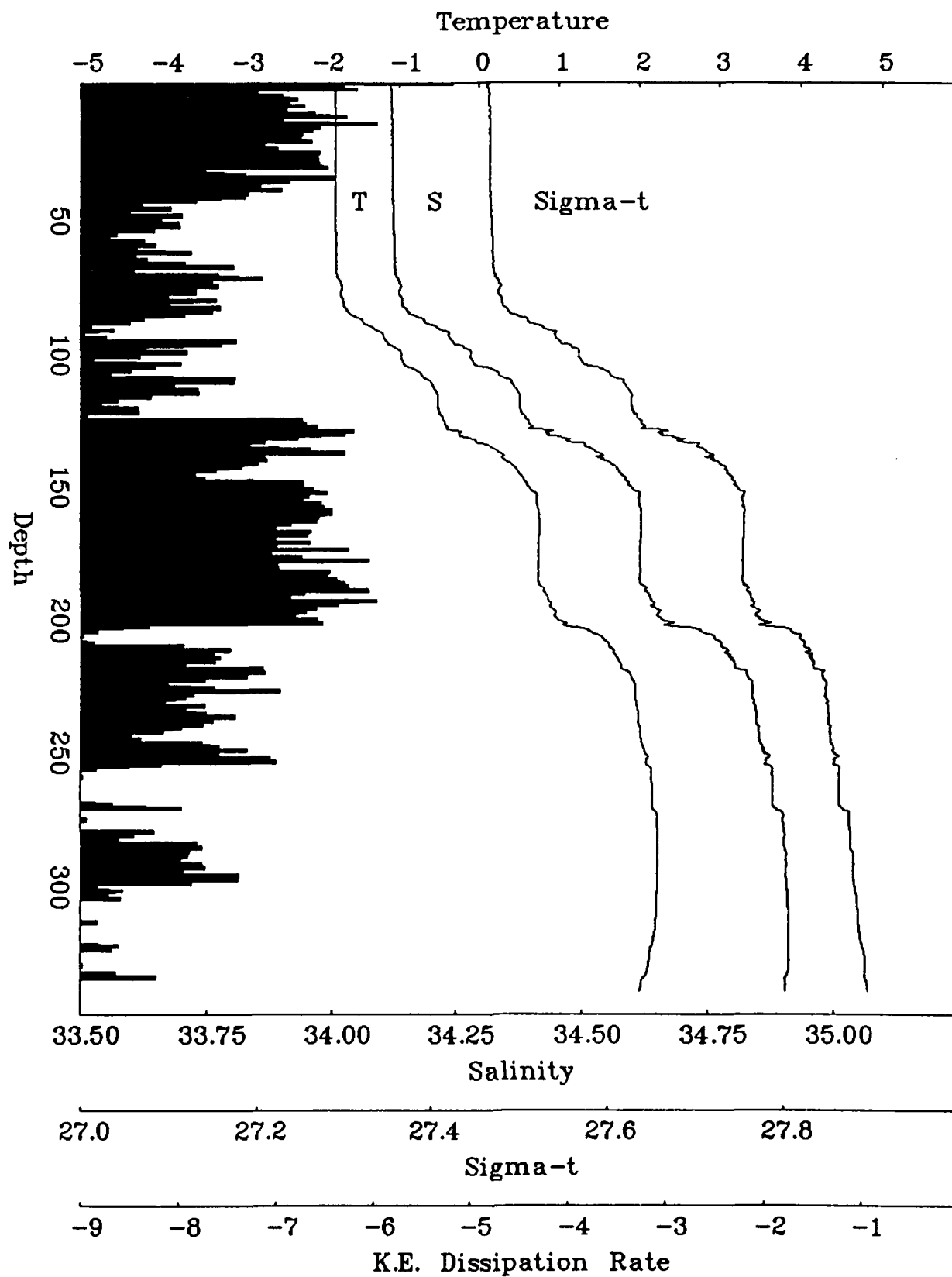
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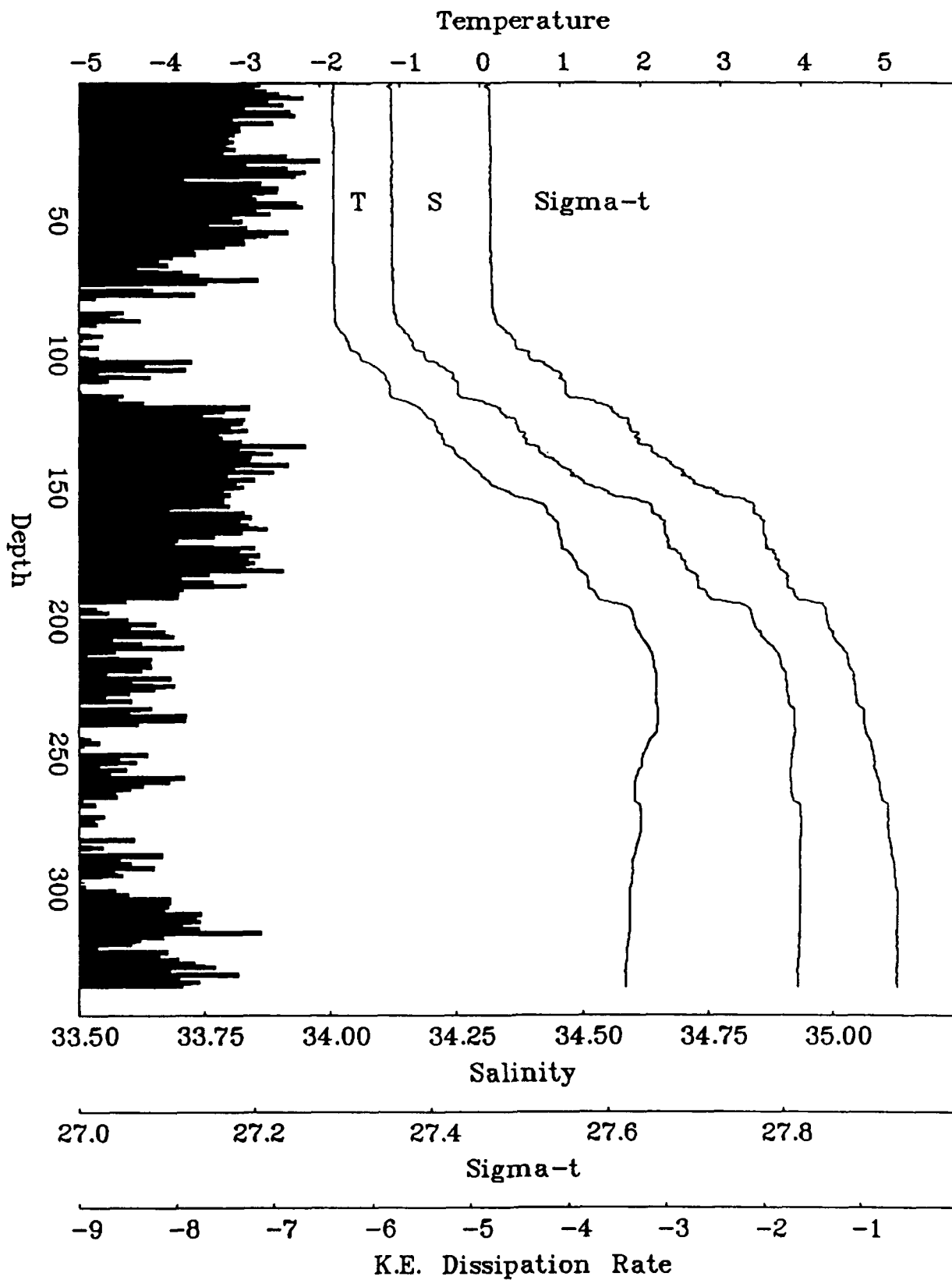
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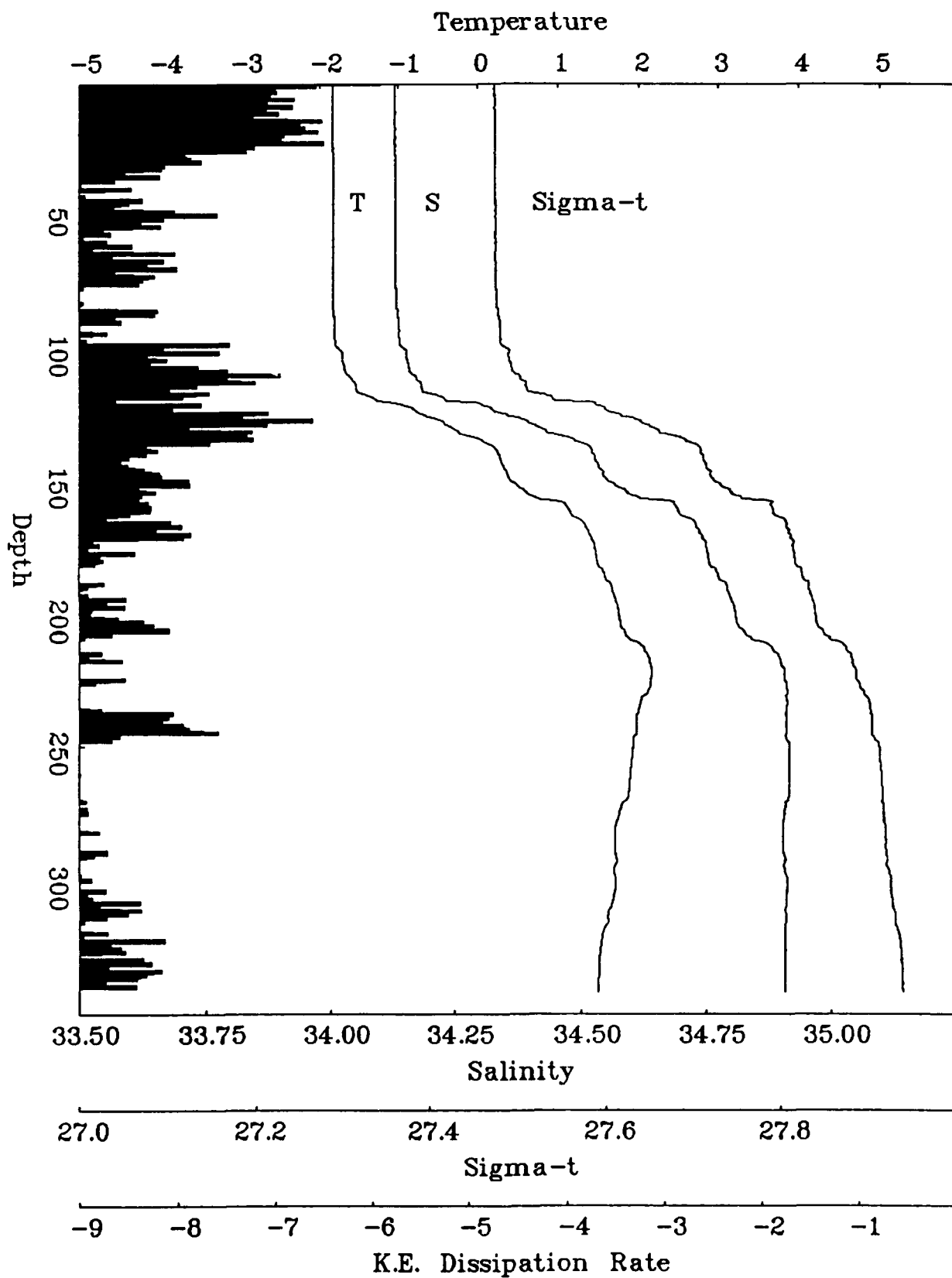
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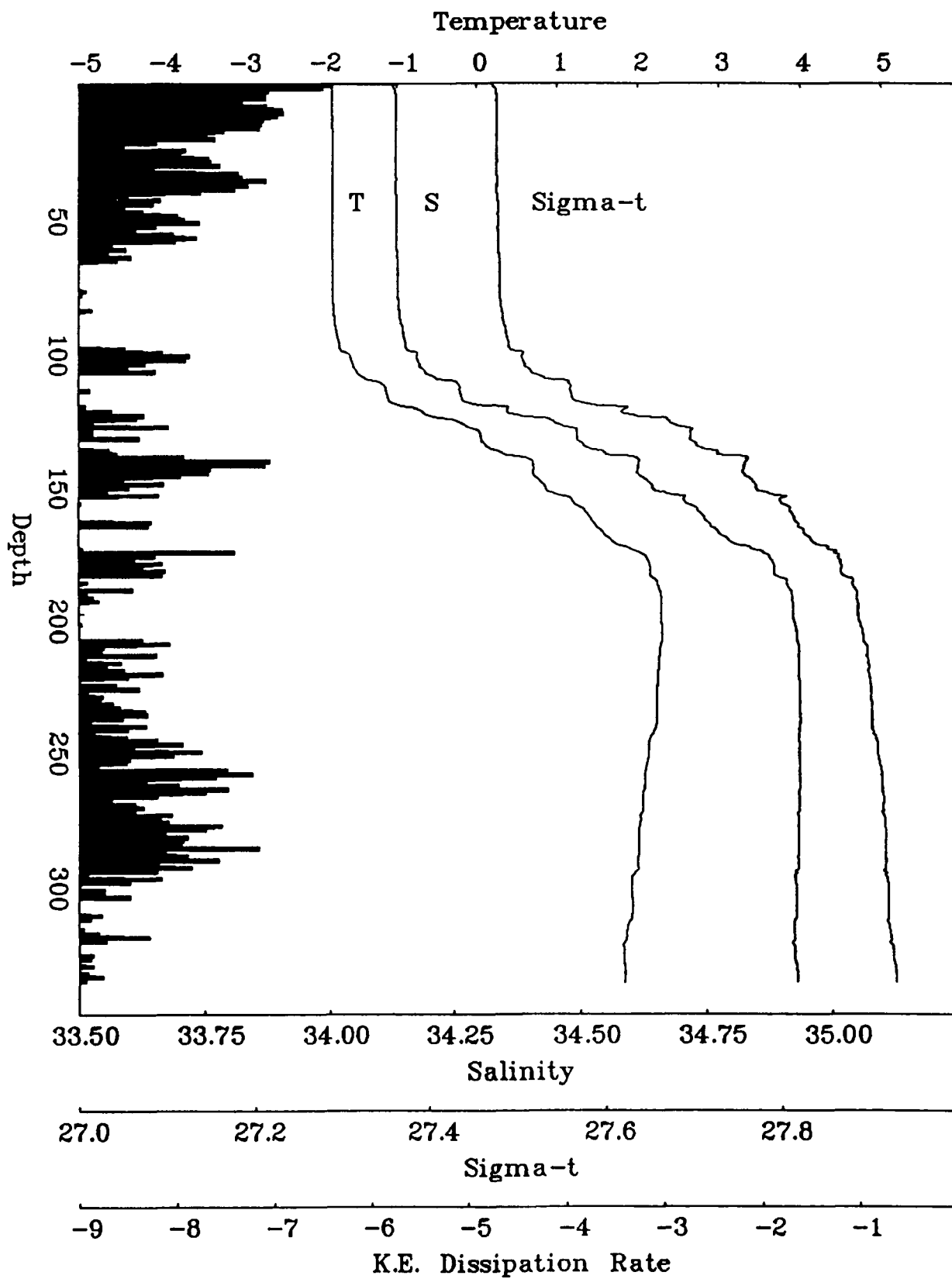
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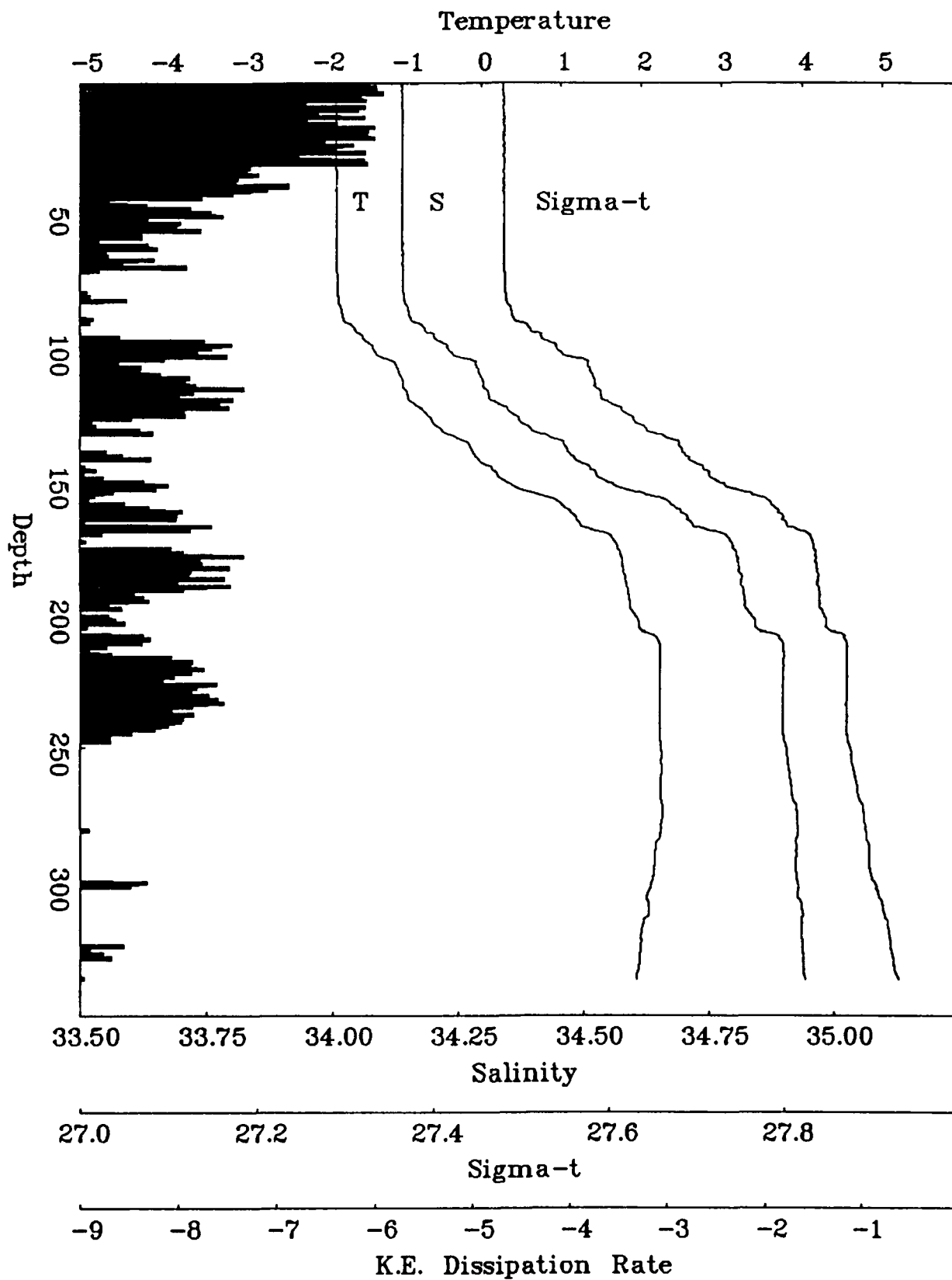
CEAREX Cast 1098, JD 107.6717, 15:59, 82.56N, 8.81E



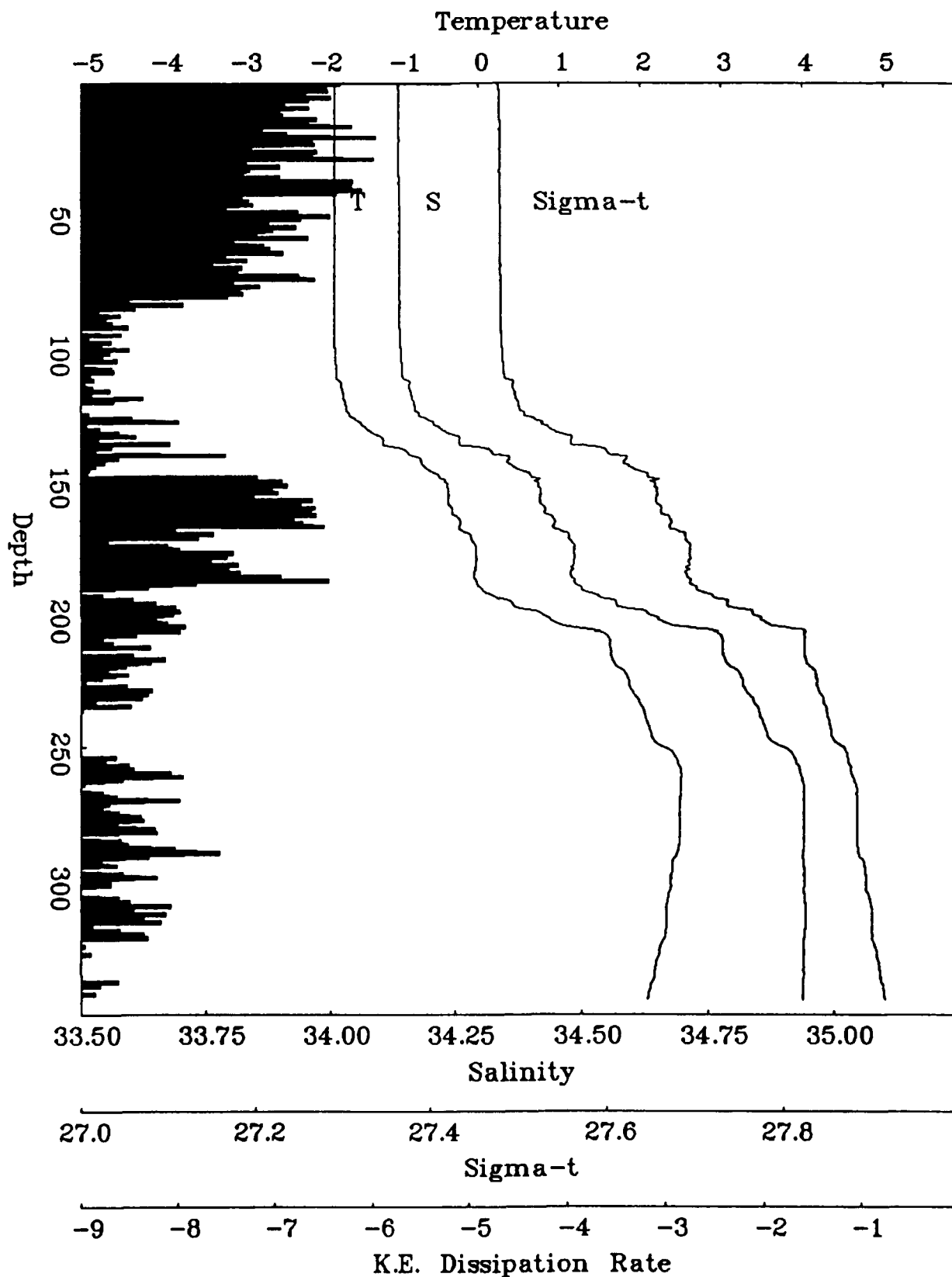
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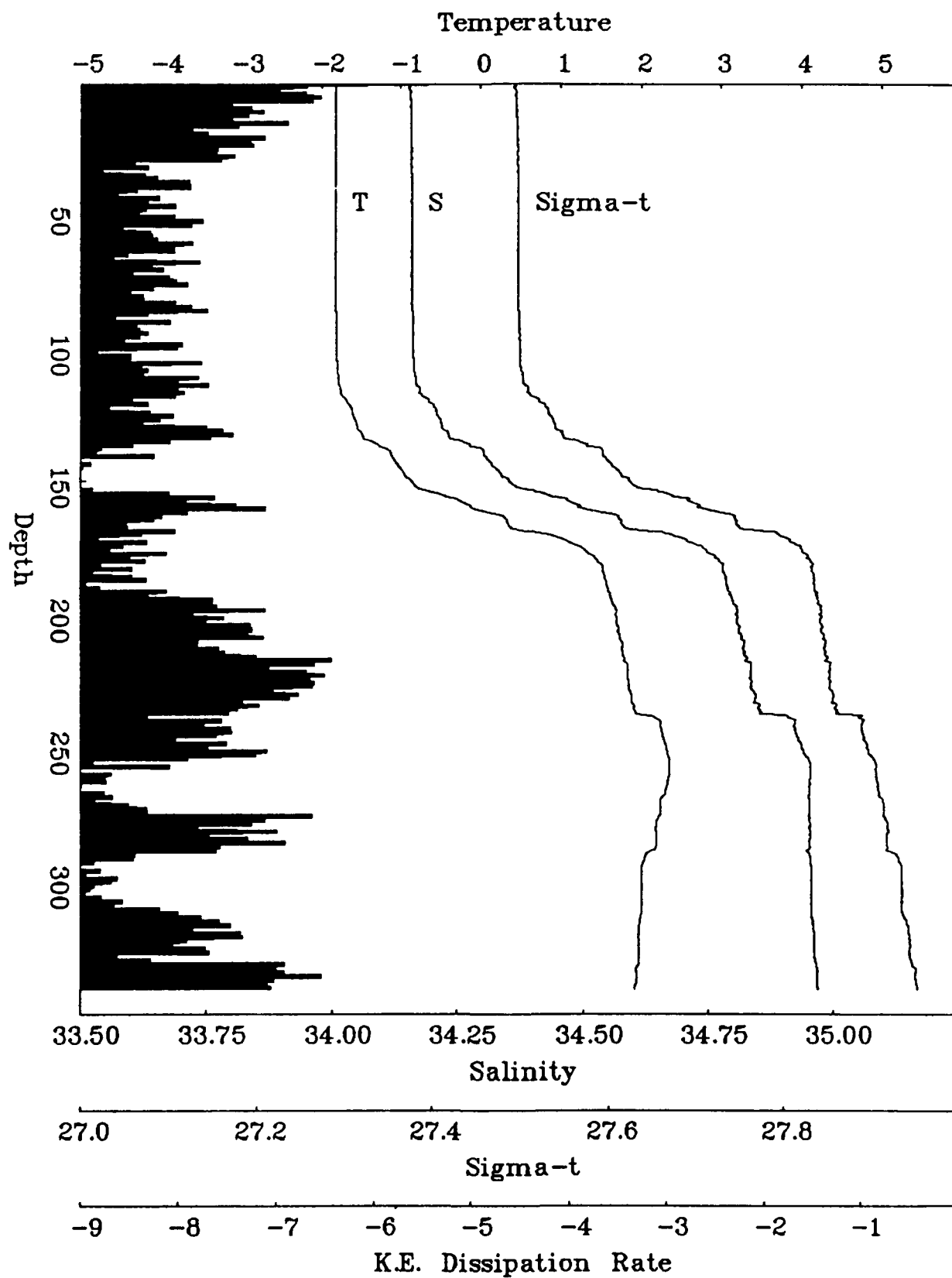
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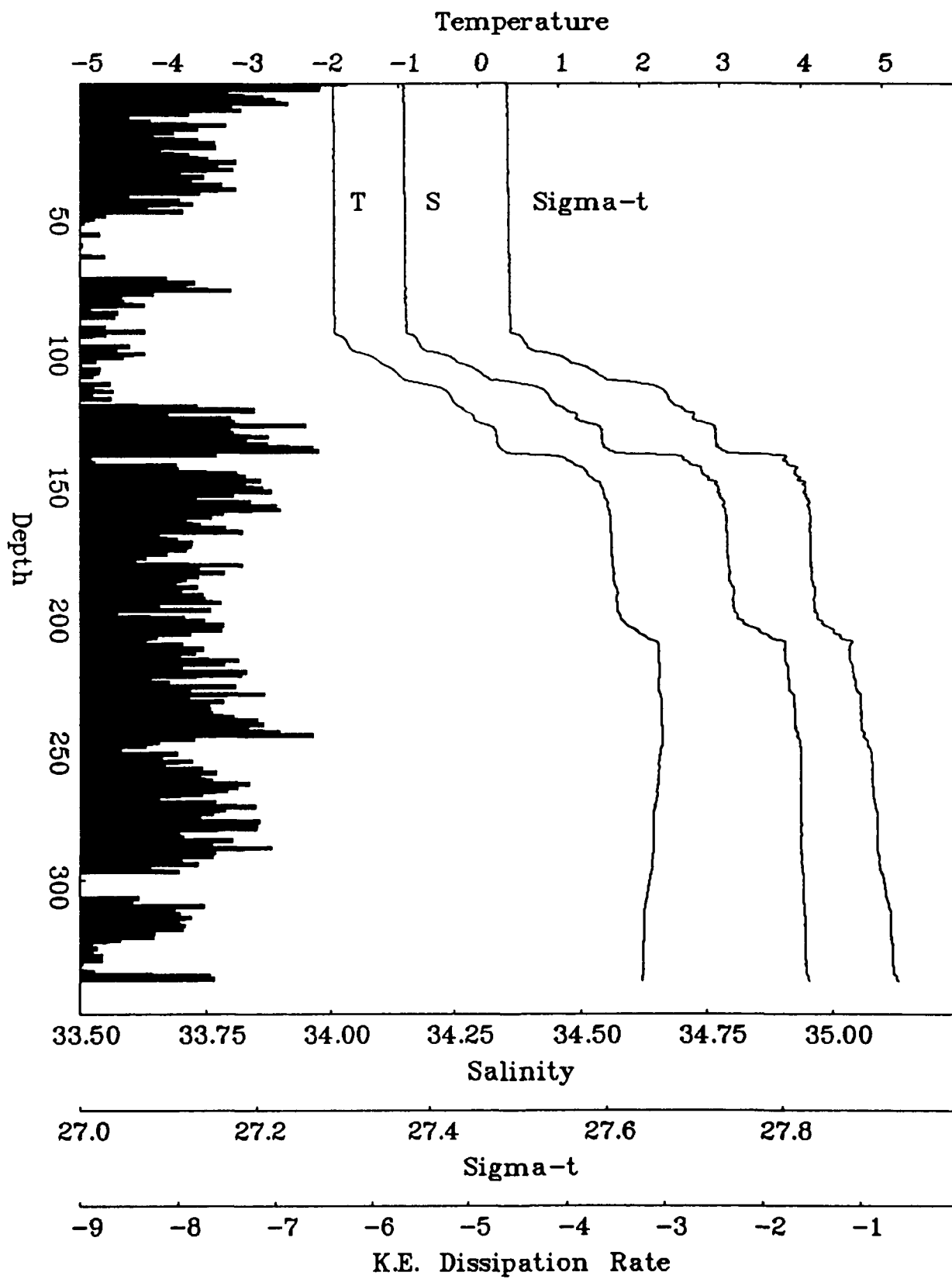
CEAREX Cast 1132, JD 108.1726, 04:00, 82.53N, 8.53E



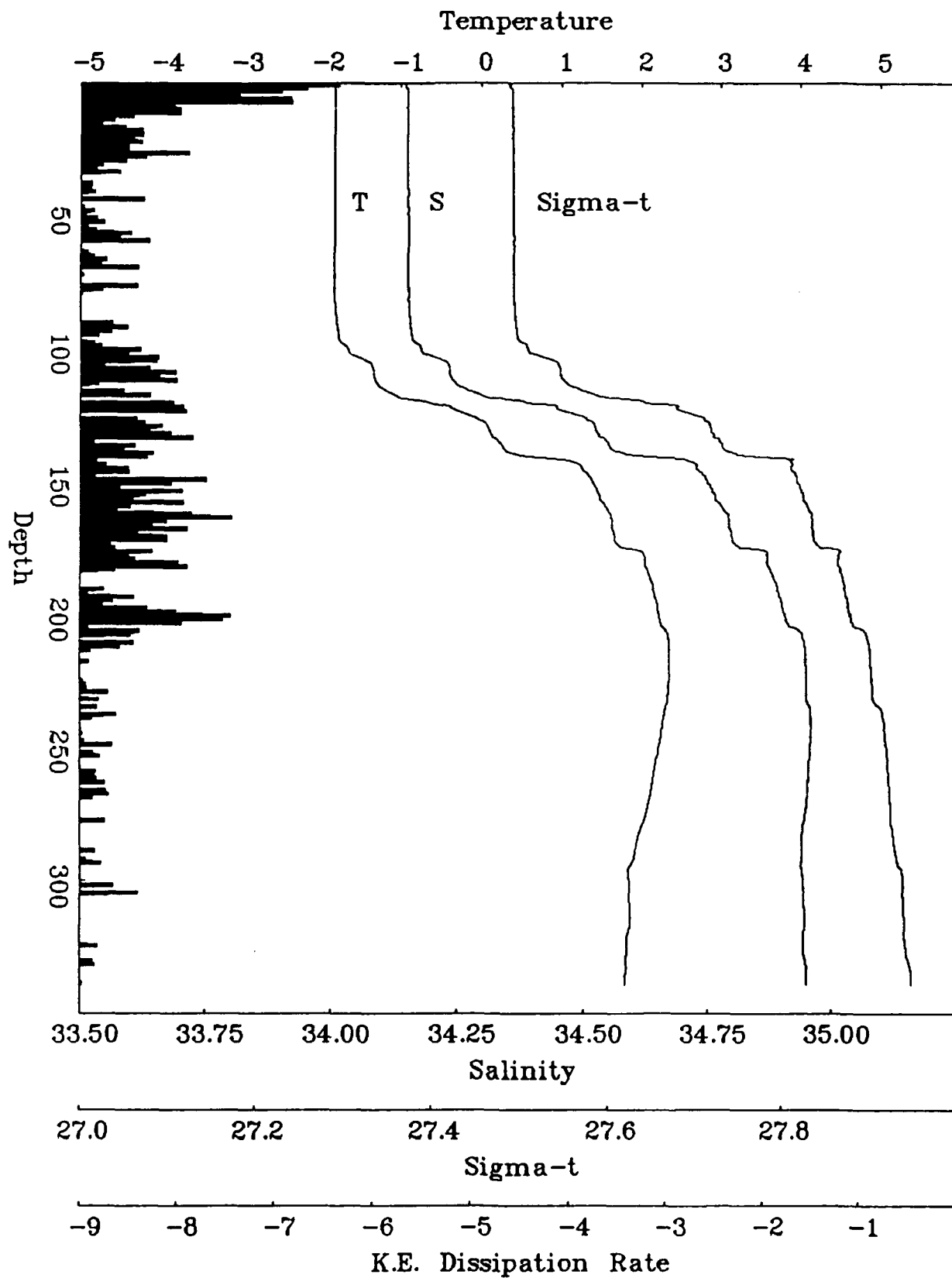
CEAREX Cast 1144, JD 108.3452, 08:09, 82.52N, 8.45E



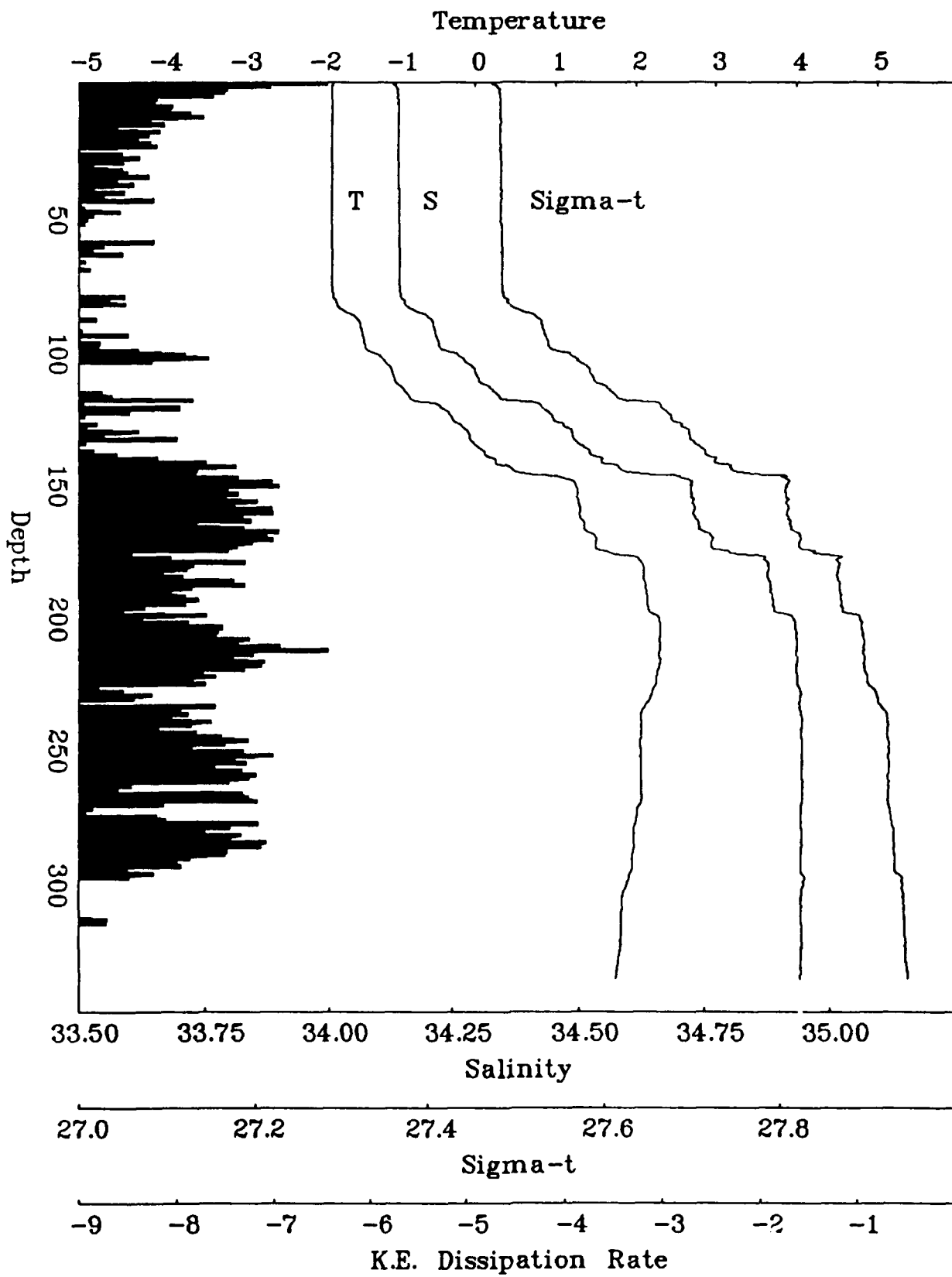
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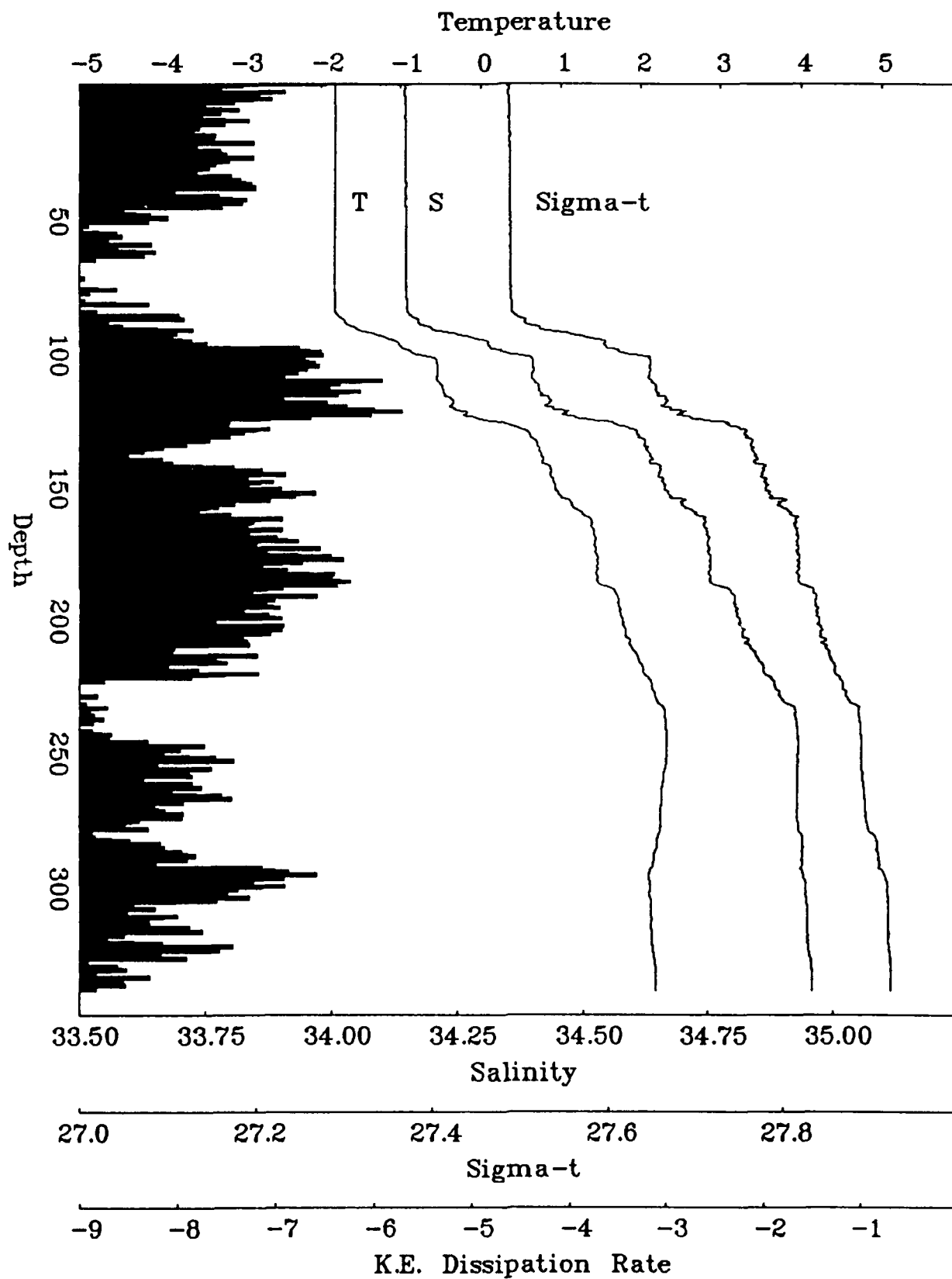
CEAREX Cast 1170, JD 108.6716, 15:59, 82.51N, 8.32E



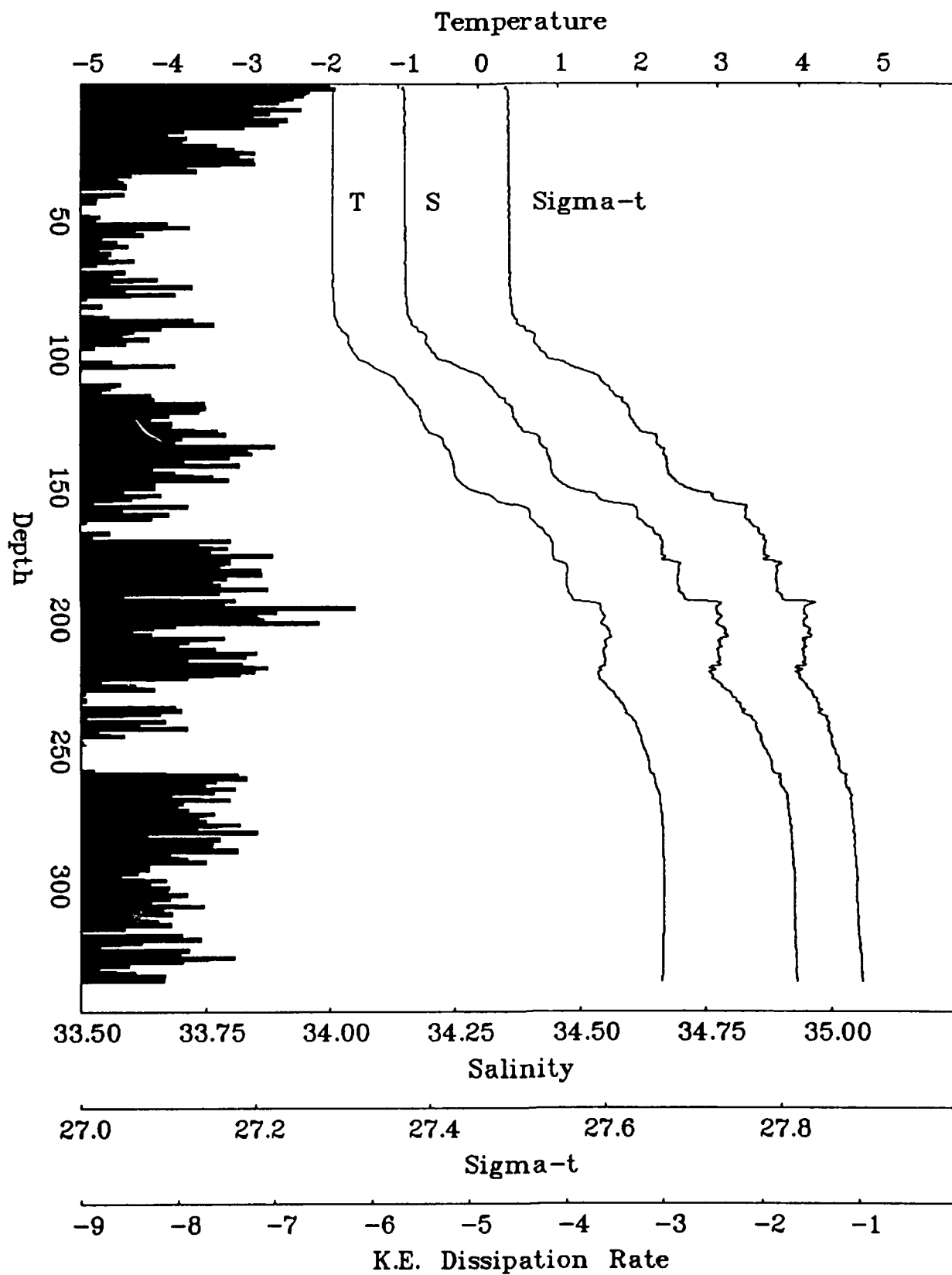
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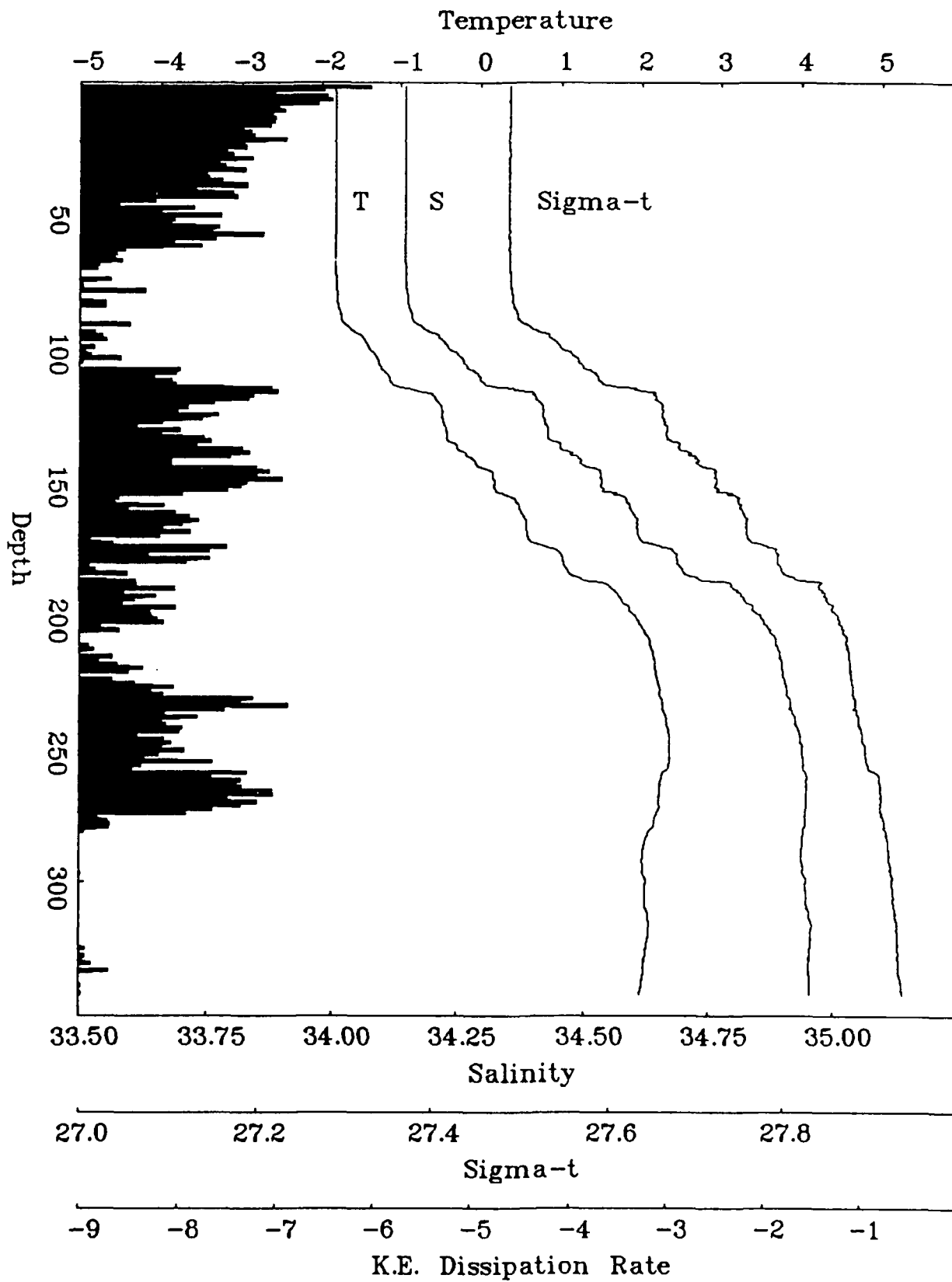
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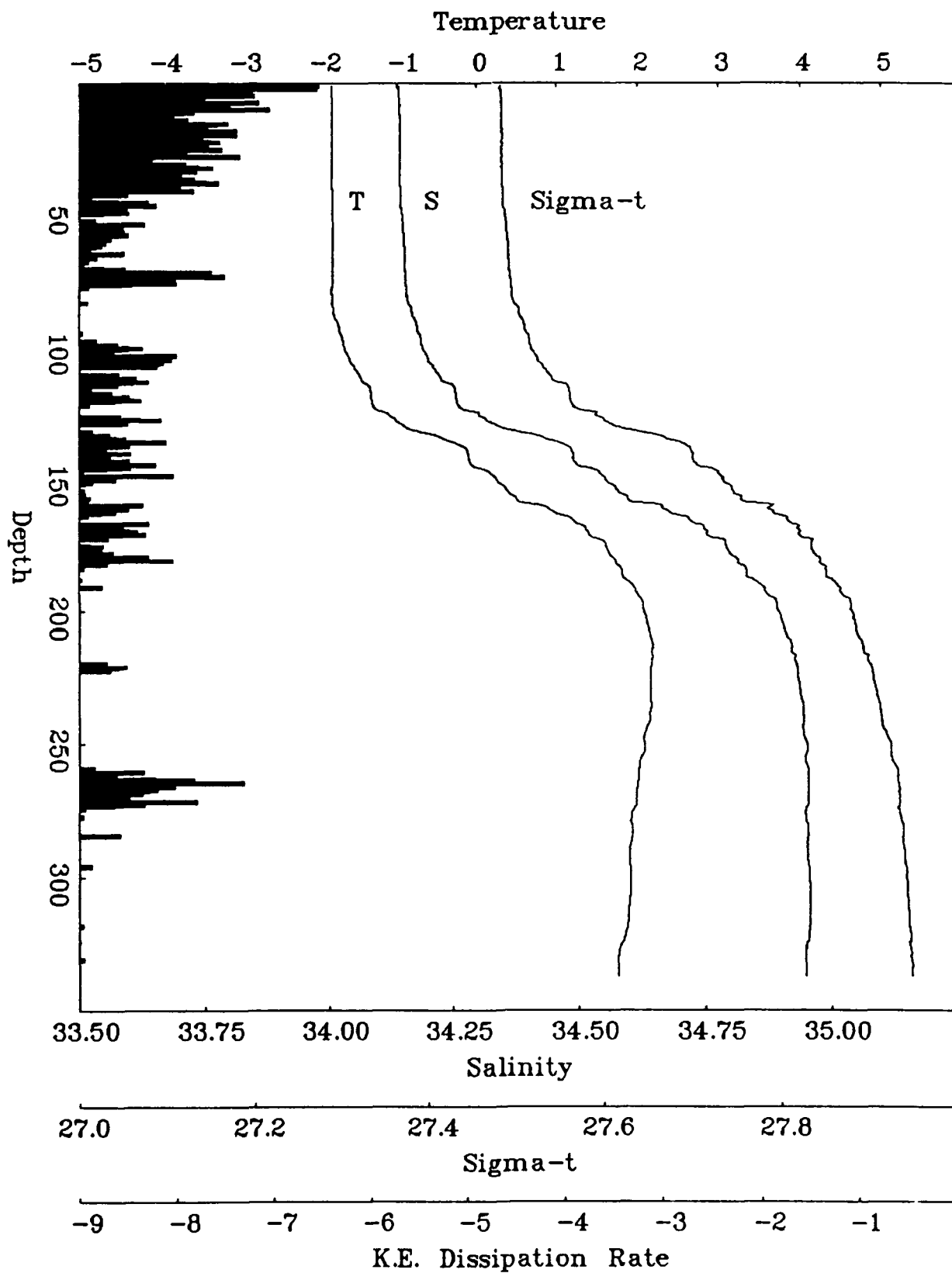
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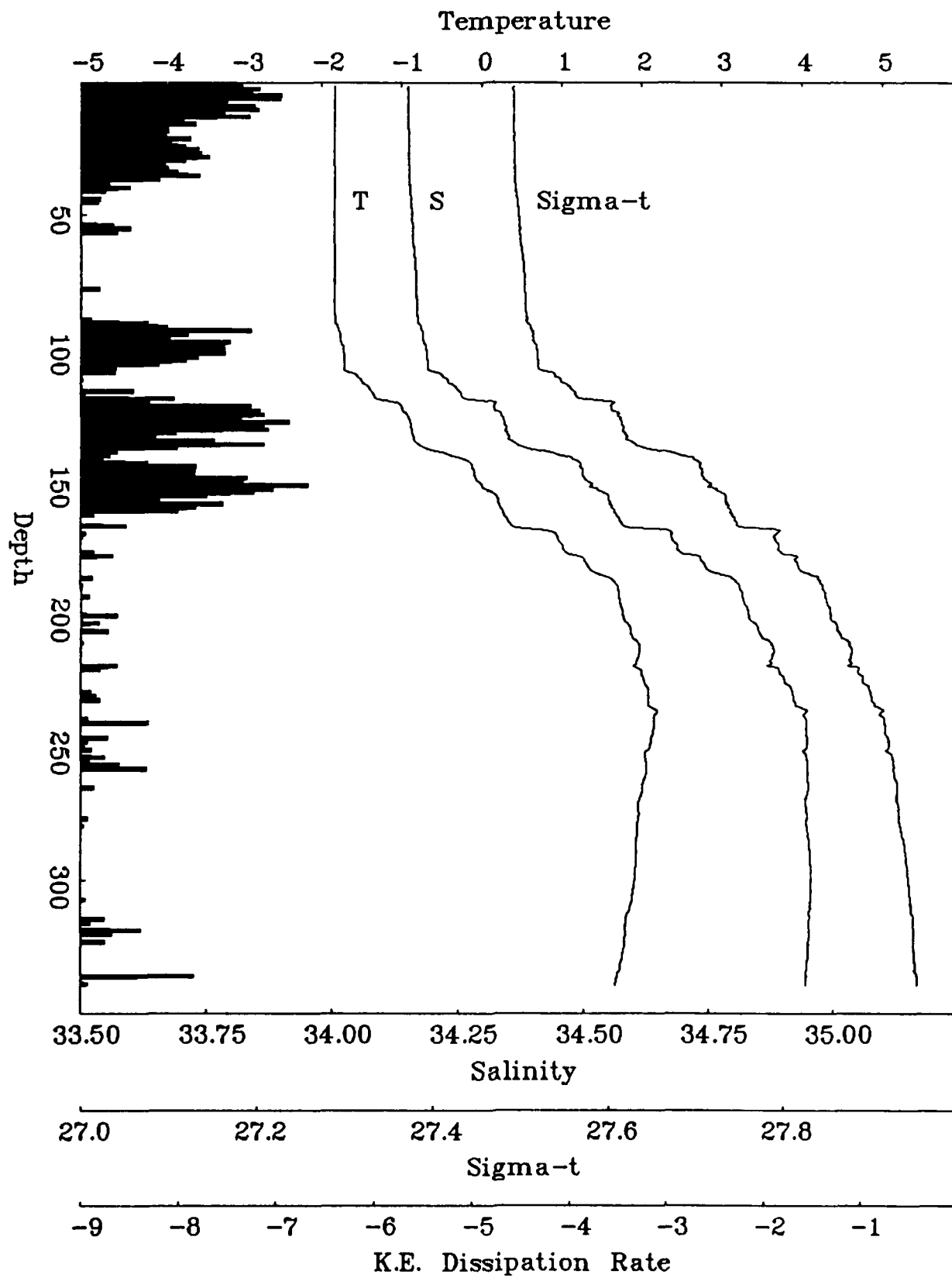
CEAREX Cast 1212, JD 109.3526, 08:19, 82.50N, 8.01E



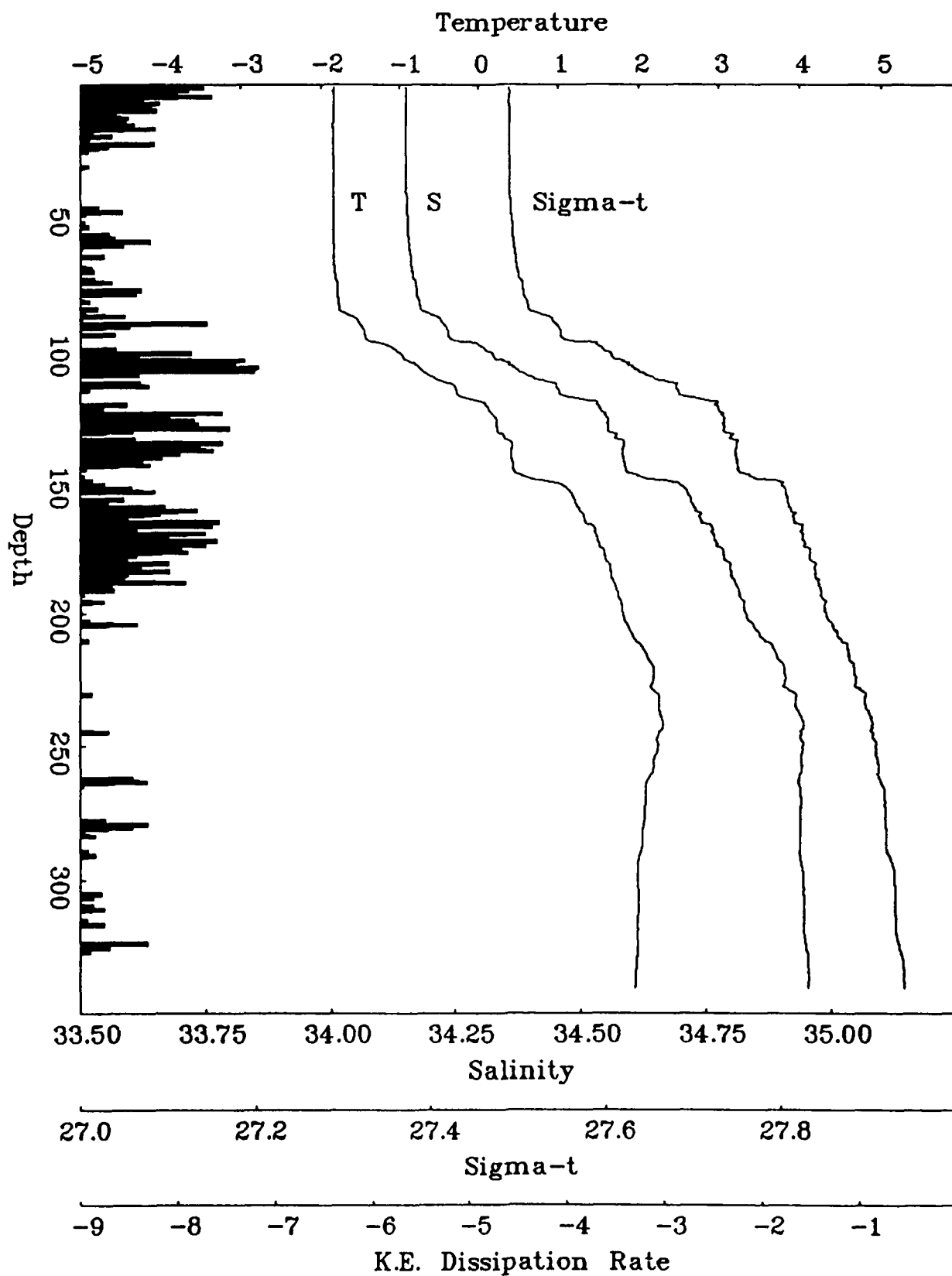
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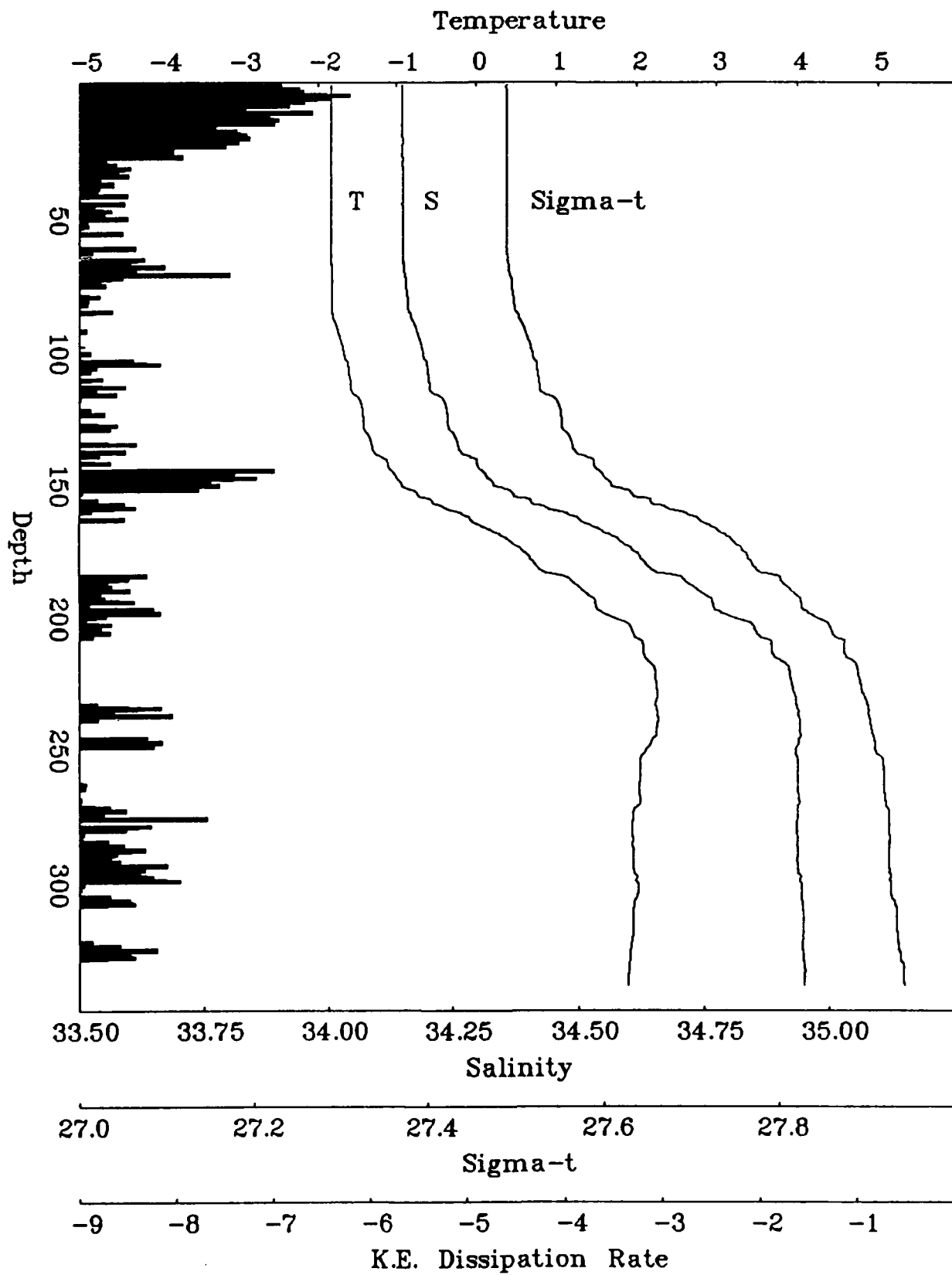
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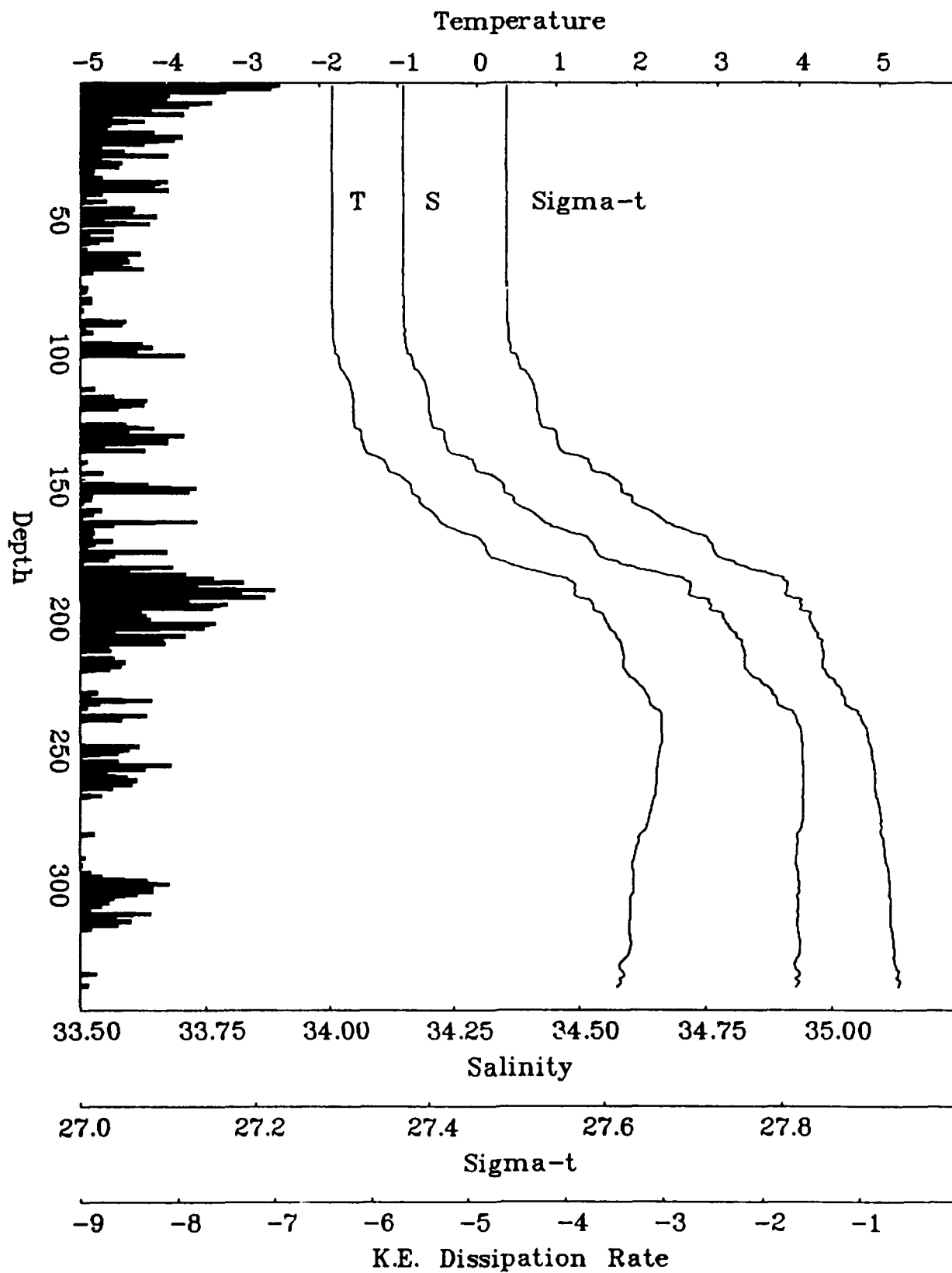
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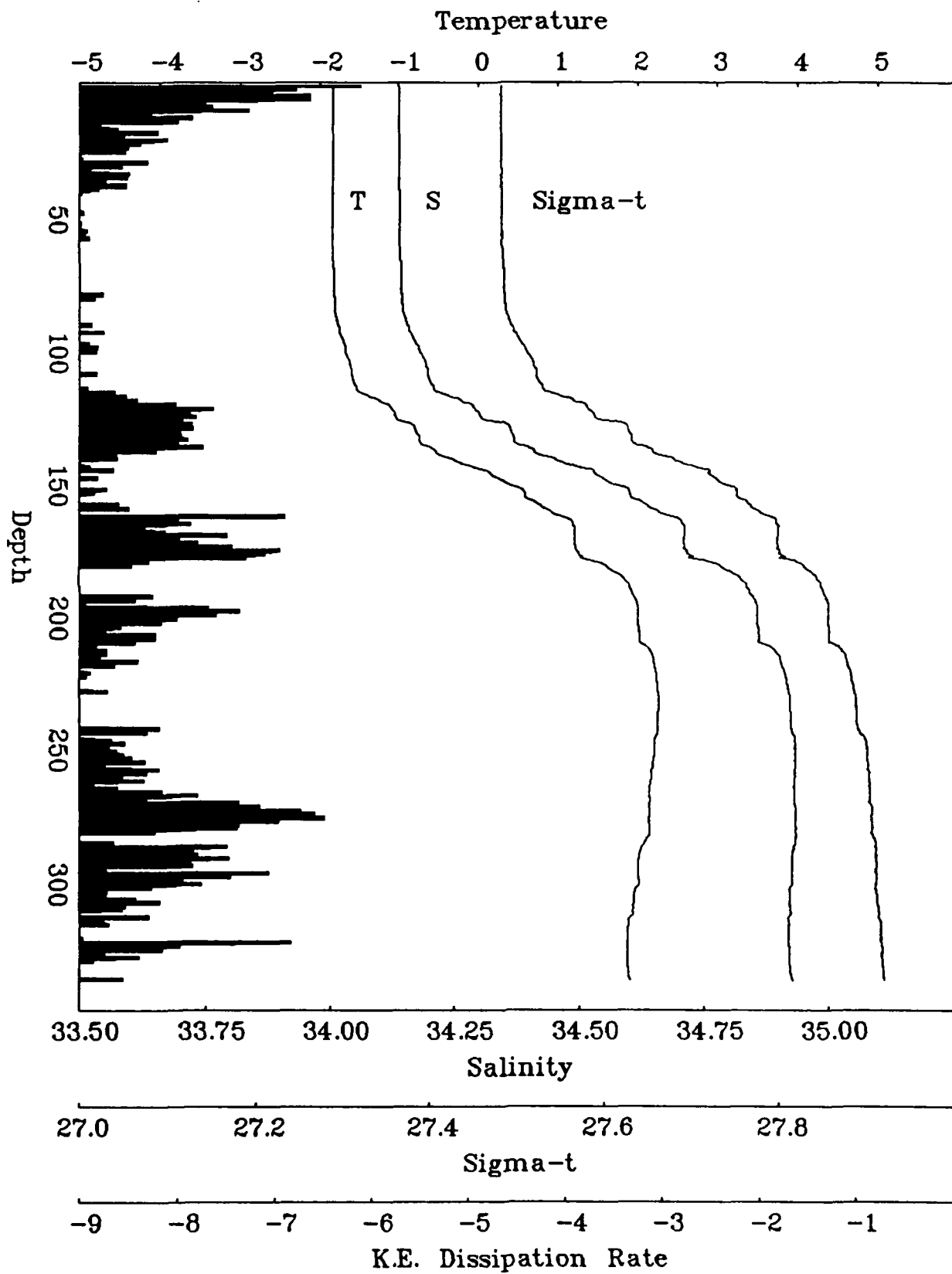
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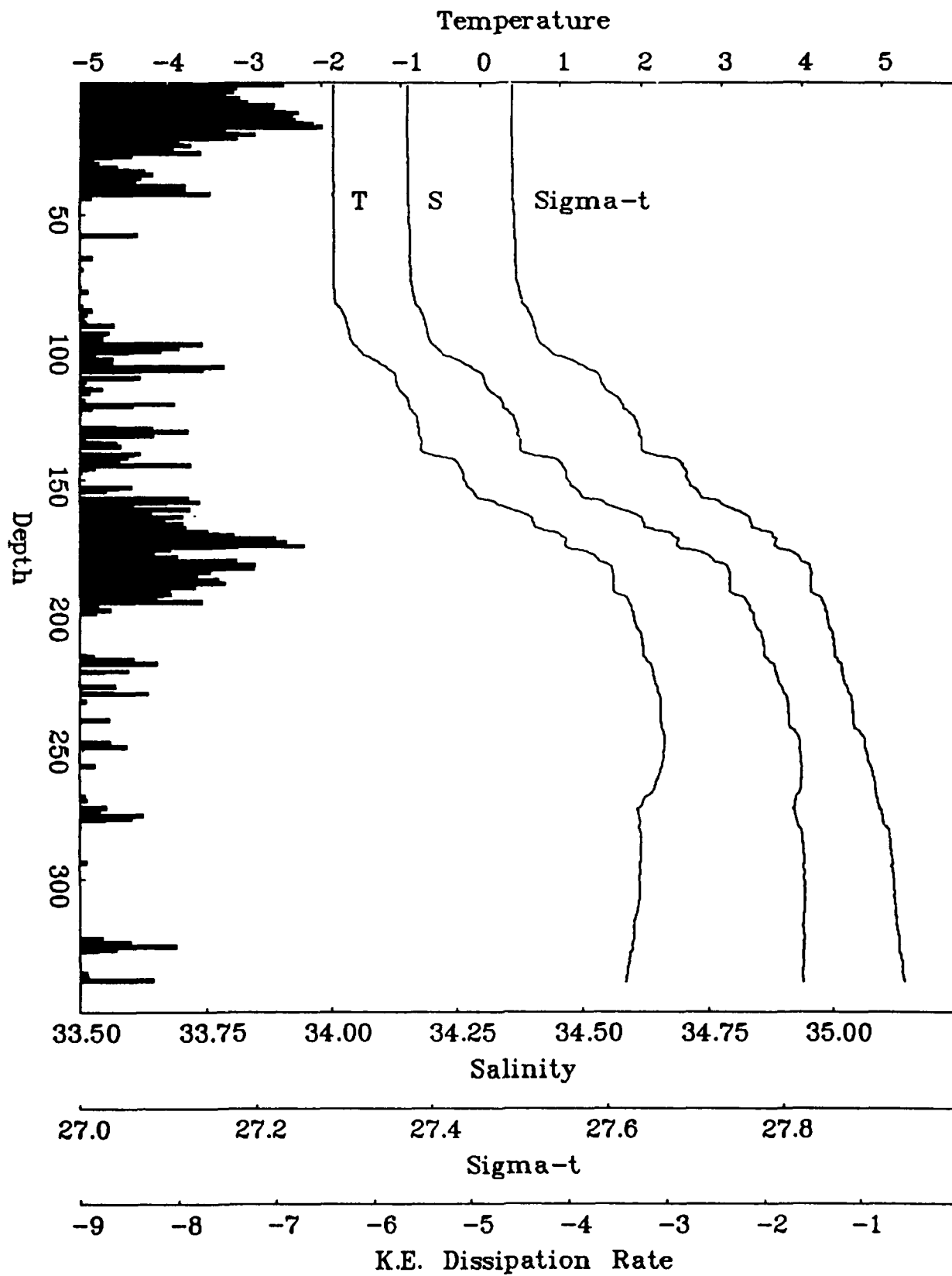
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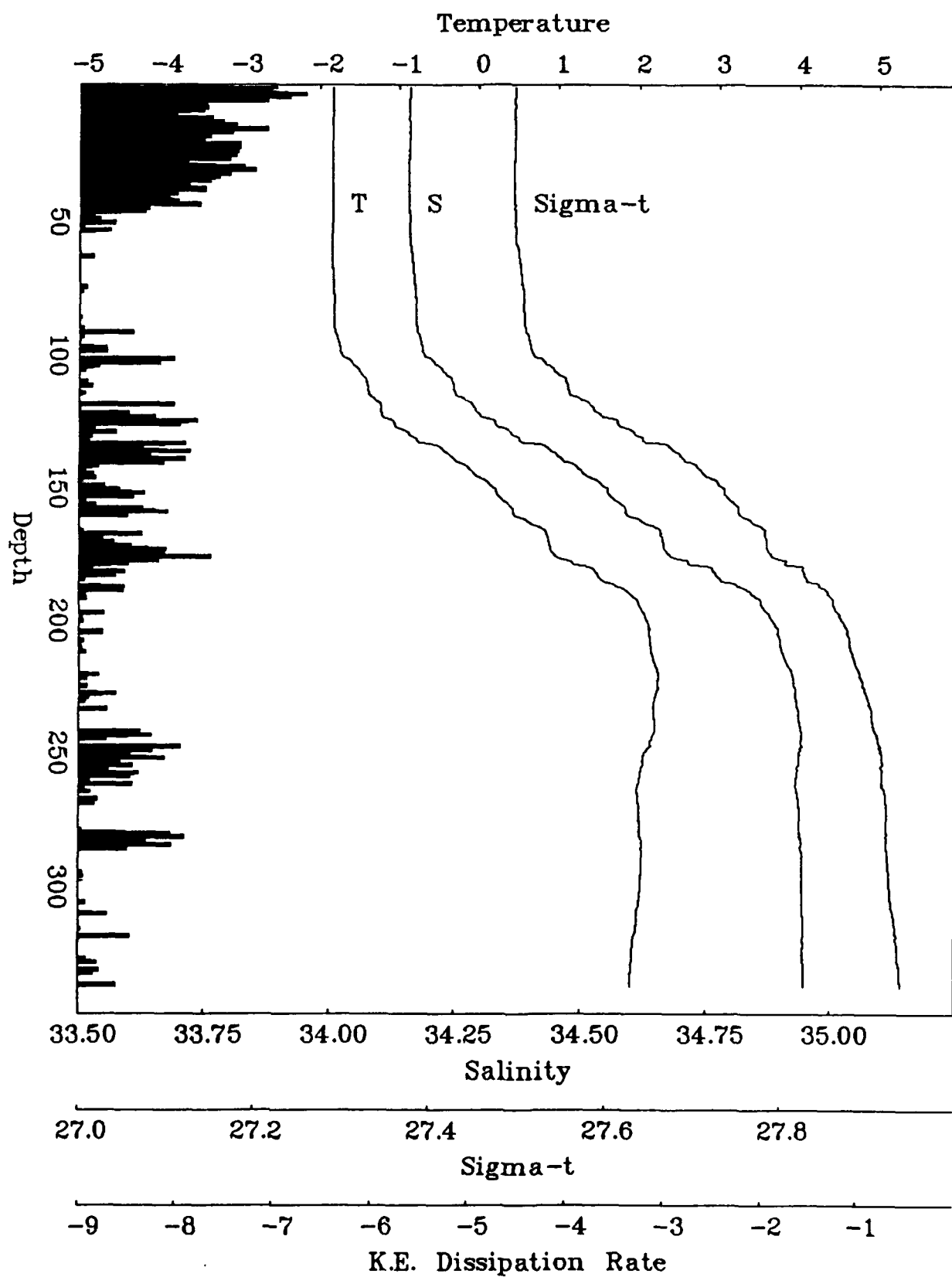
CEAREX Cast 1265, JD 110.3393, 08:00, 82.48N, 7.68E



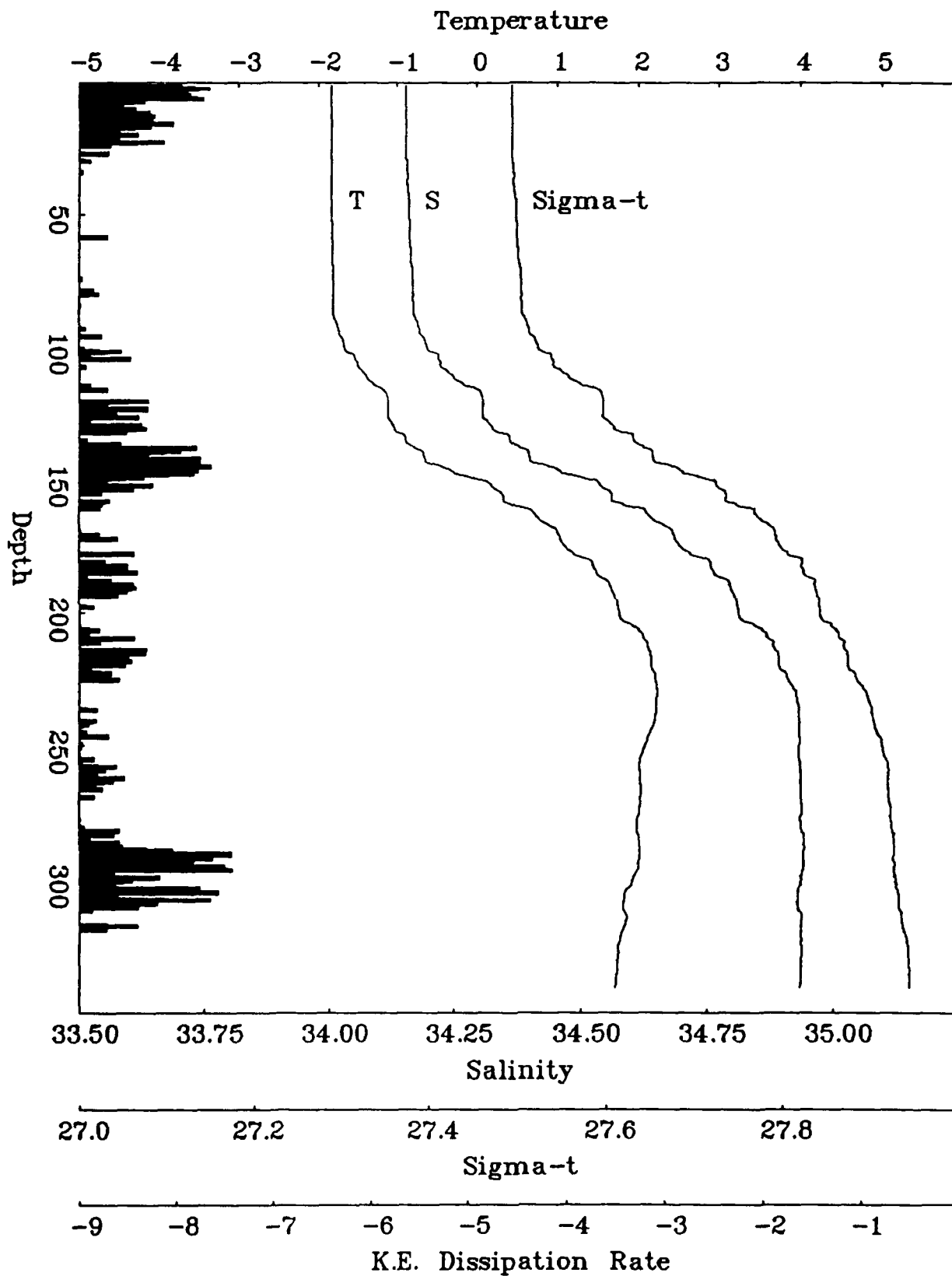
CEAREX Cast 1279, JD 110.5049, 11:59, 82.47N, 7.59E



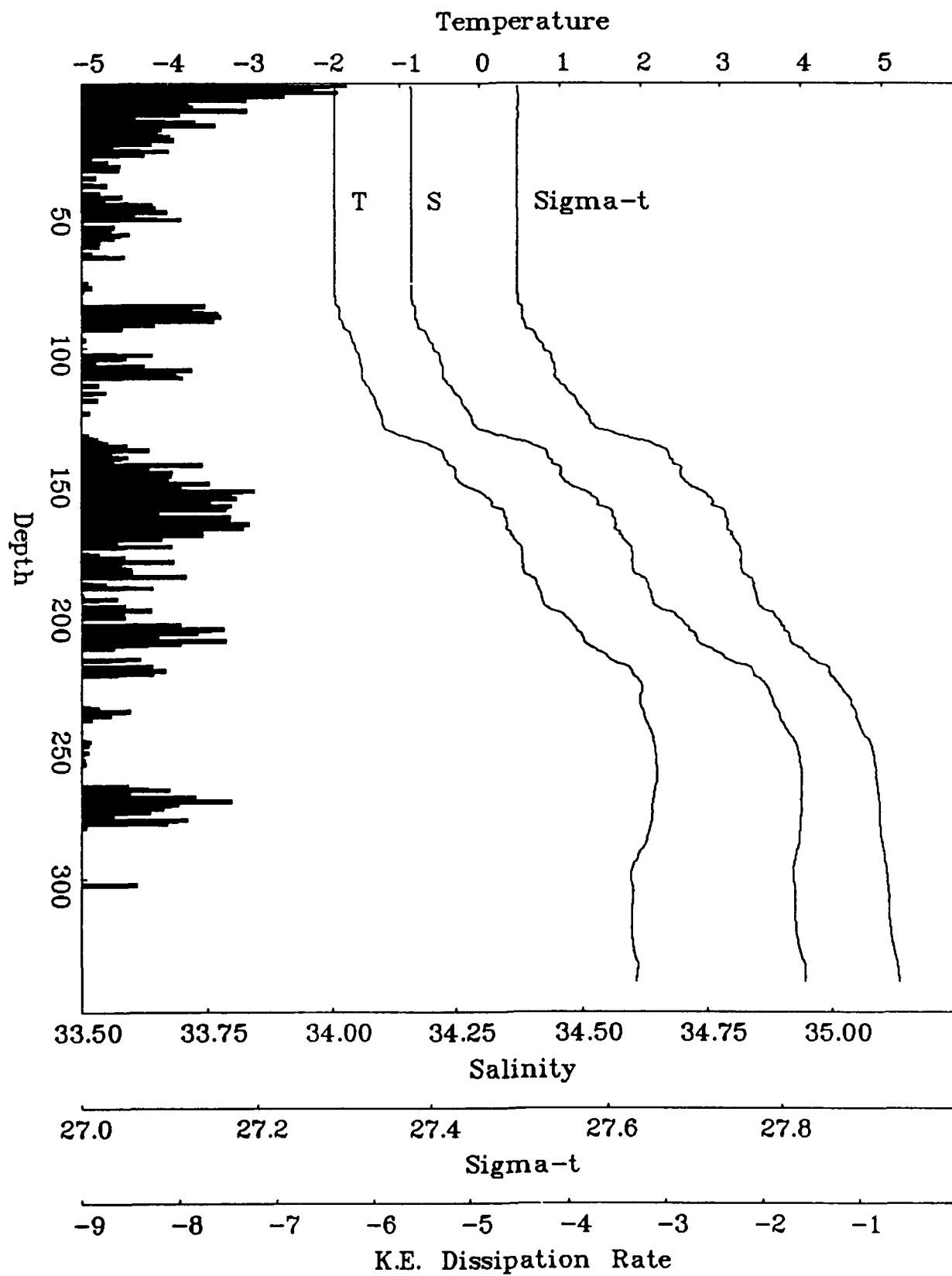
CEAREX Cast 1289, JD 110.6716, 15:59, 82.47N, 7.52E



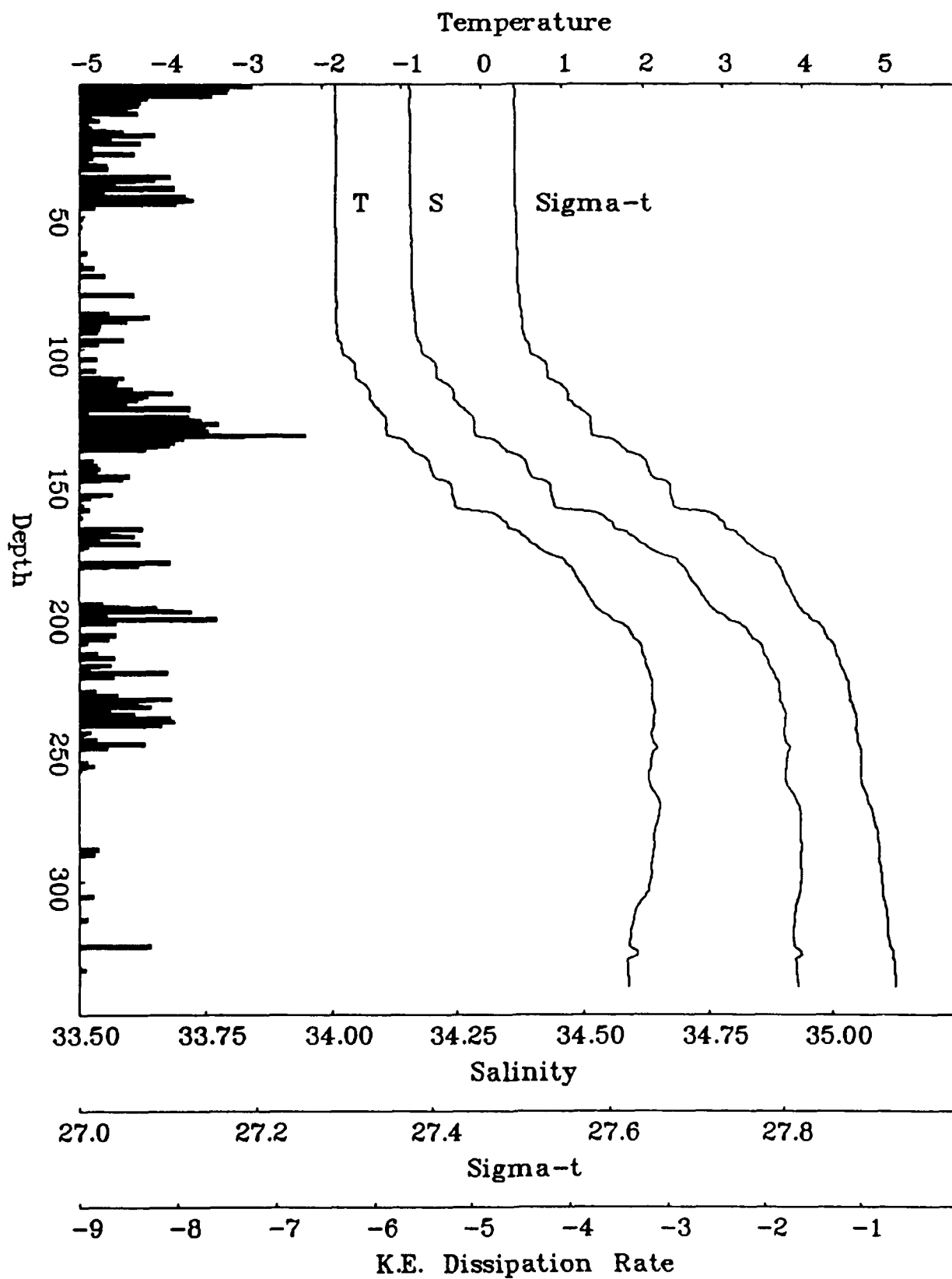
CEAREX Cast 1297, JD 110.8383, 19:59, 82.47N, 7.43E



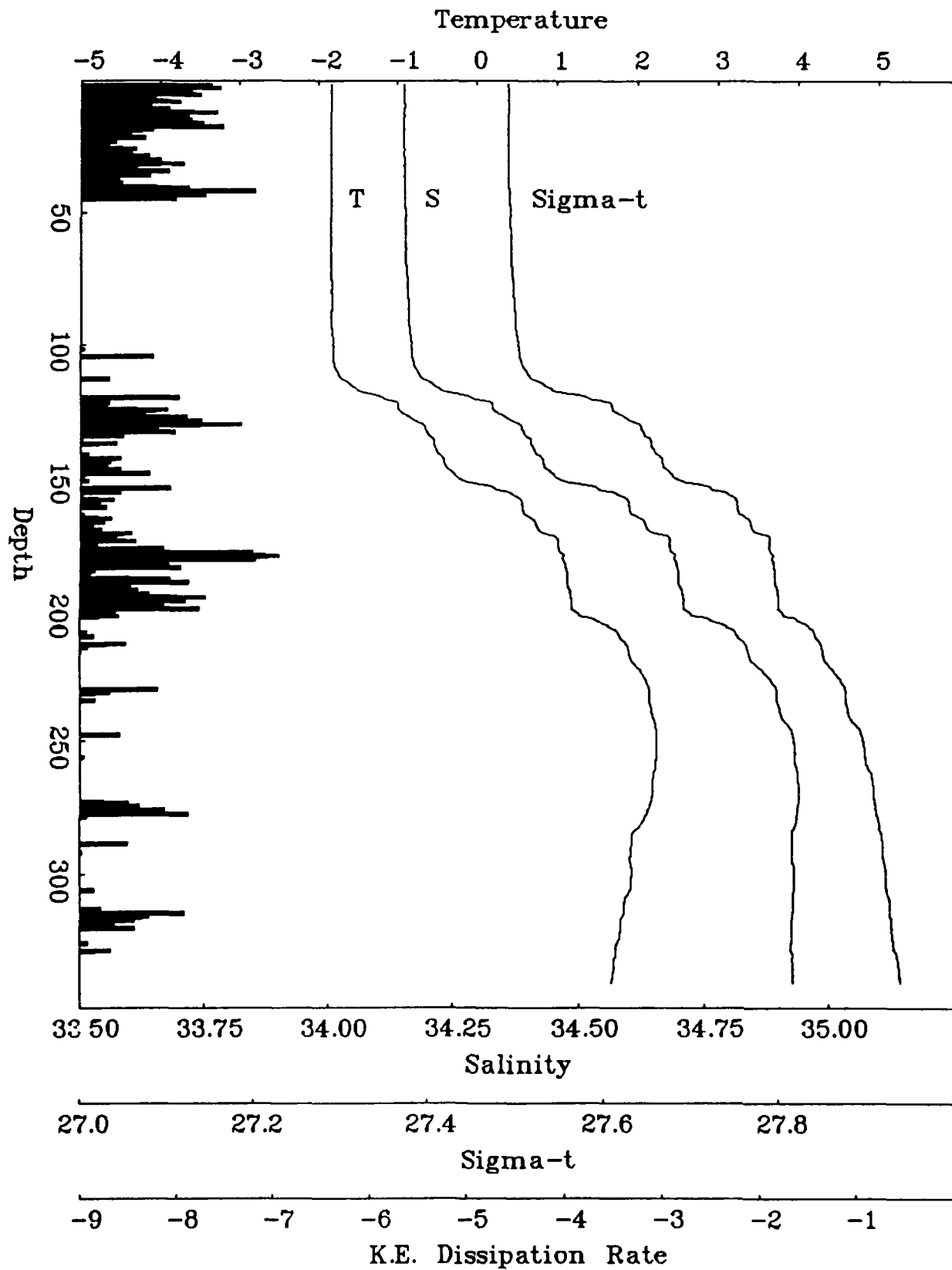
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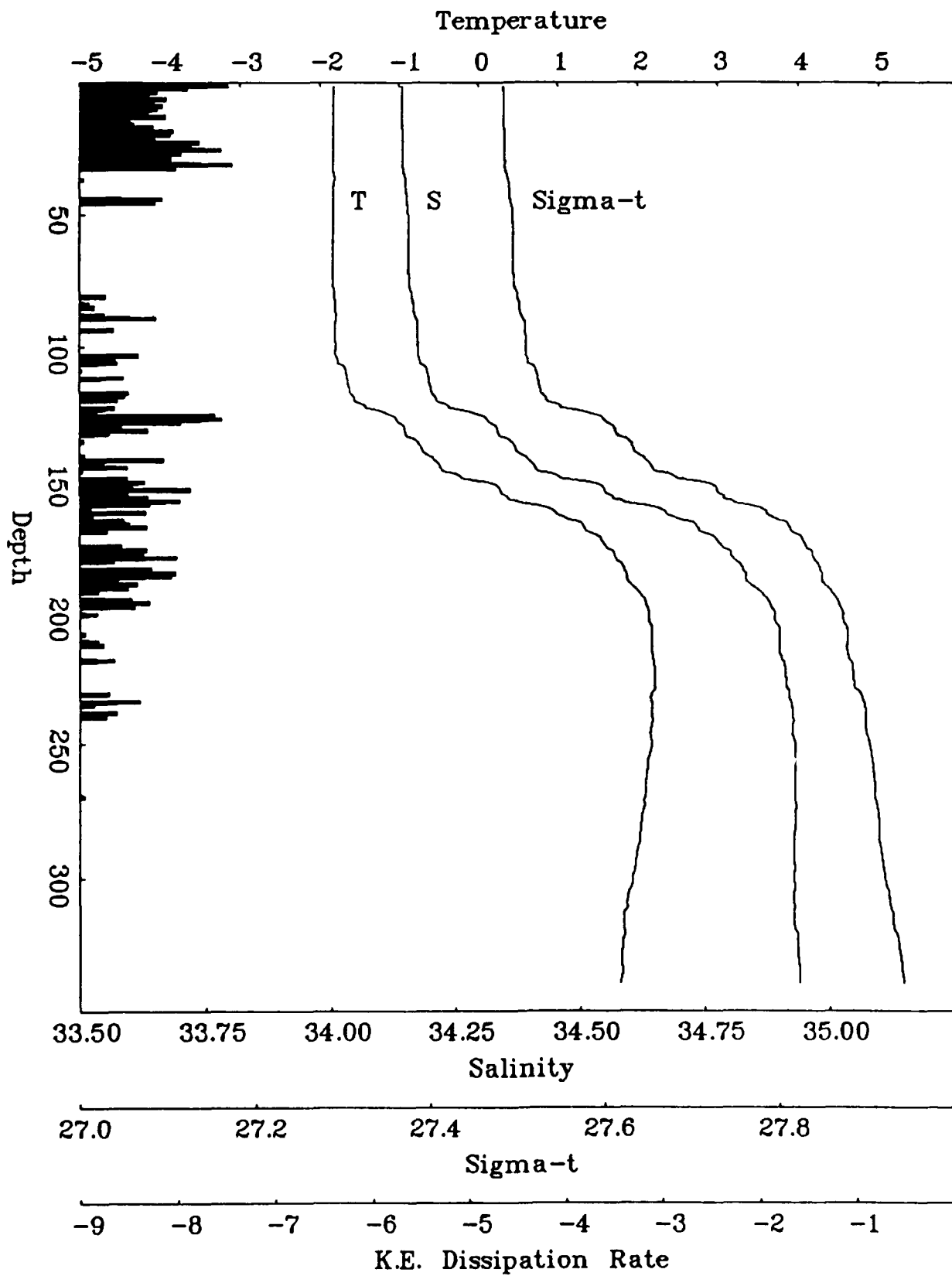
CEAREX Cast 1318, JD 111.1719, 03:59, 82.46N, 7.36E



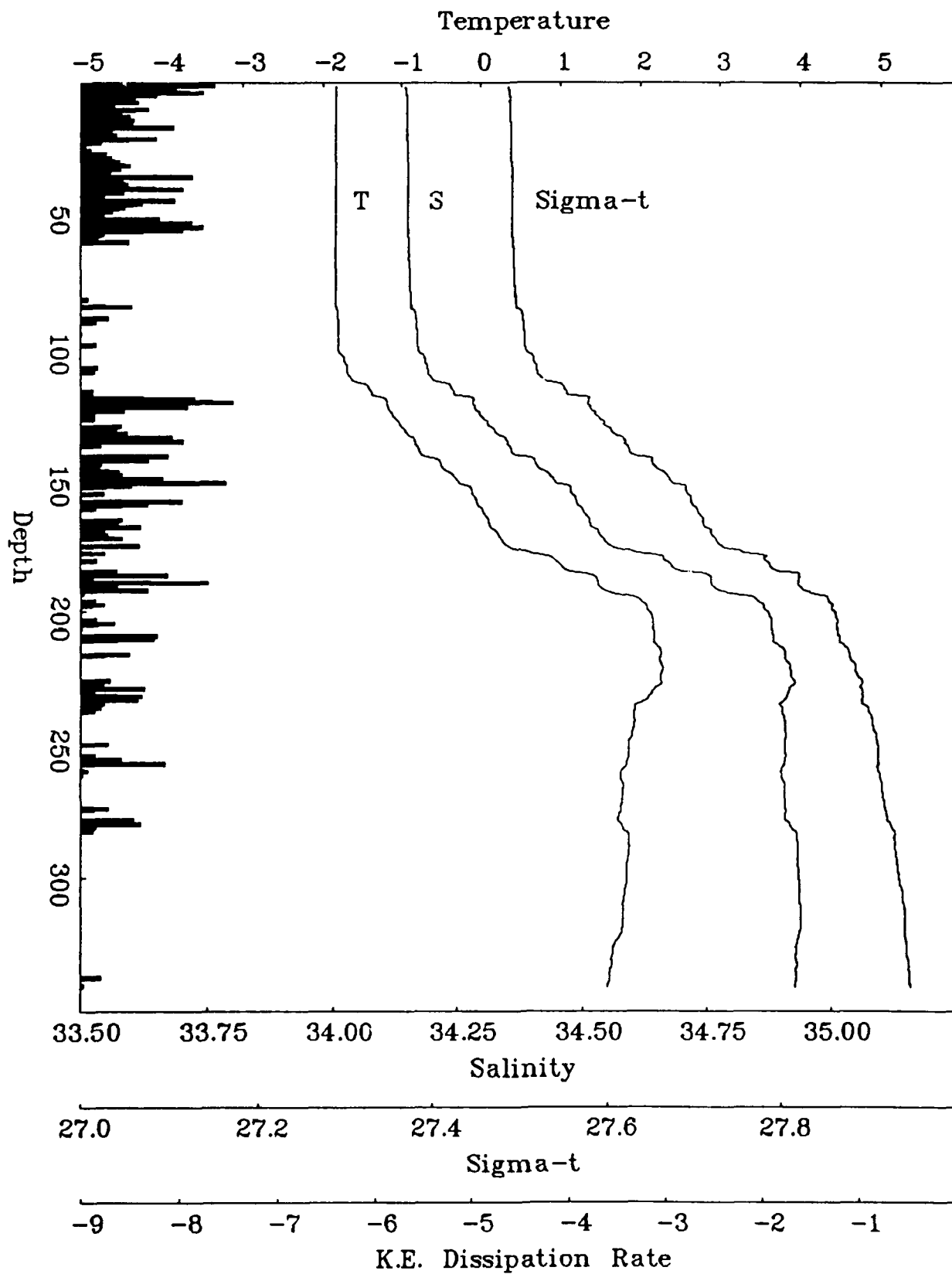
CEAREX Cast 1327, JD 111.3390, 08:00, 82.46N, 7.31E



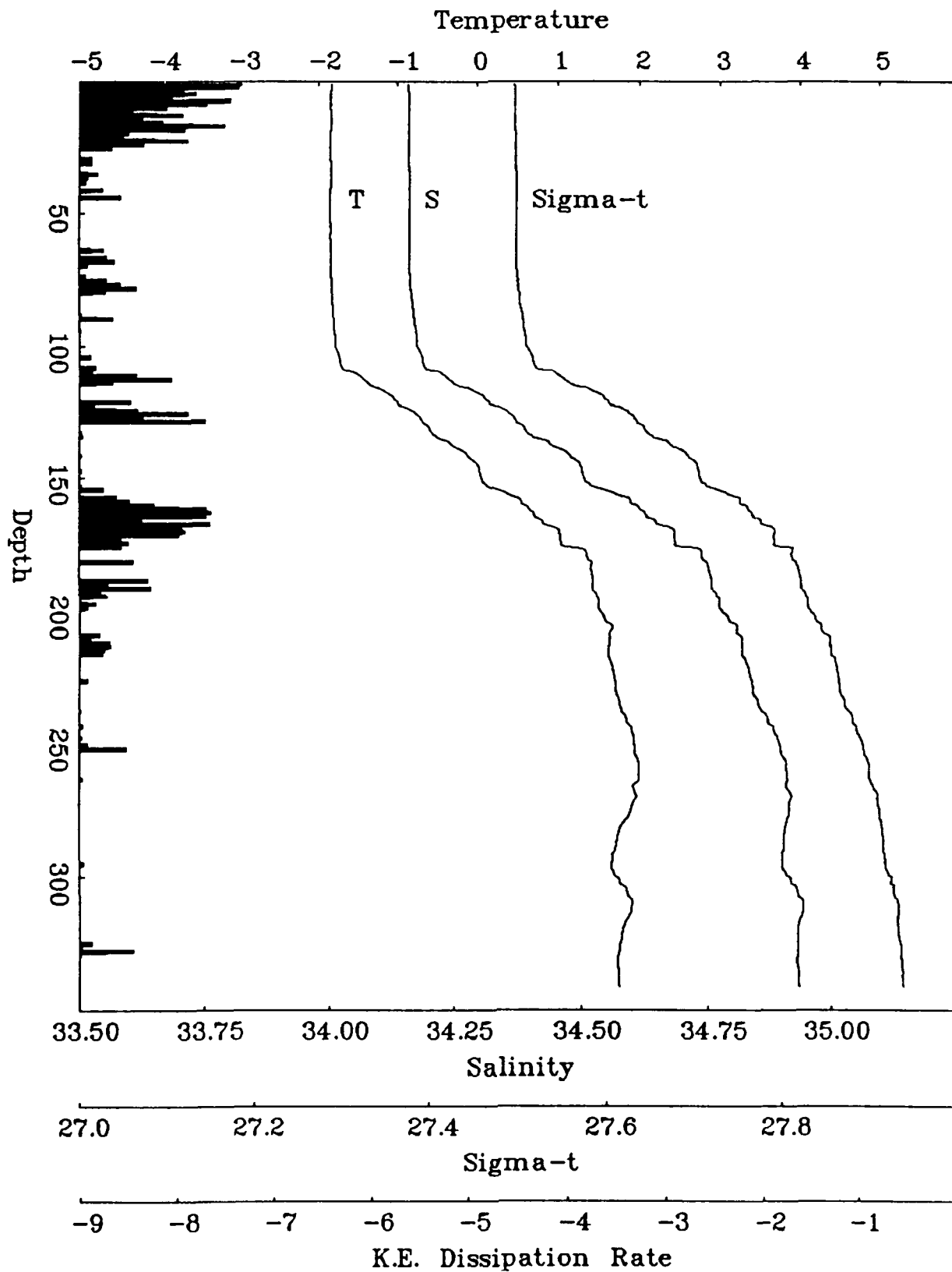
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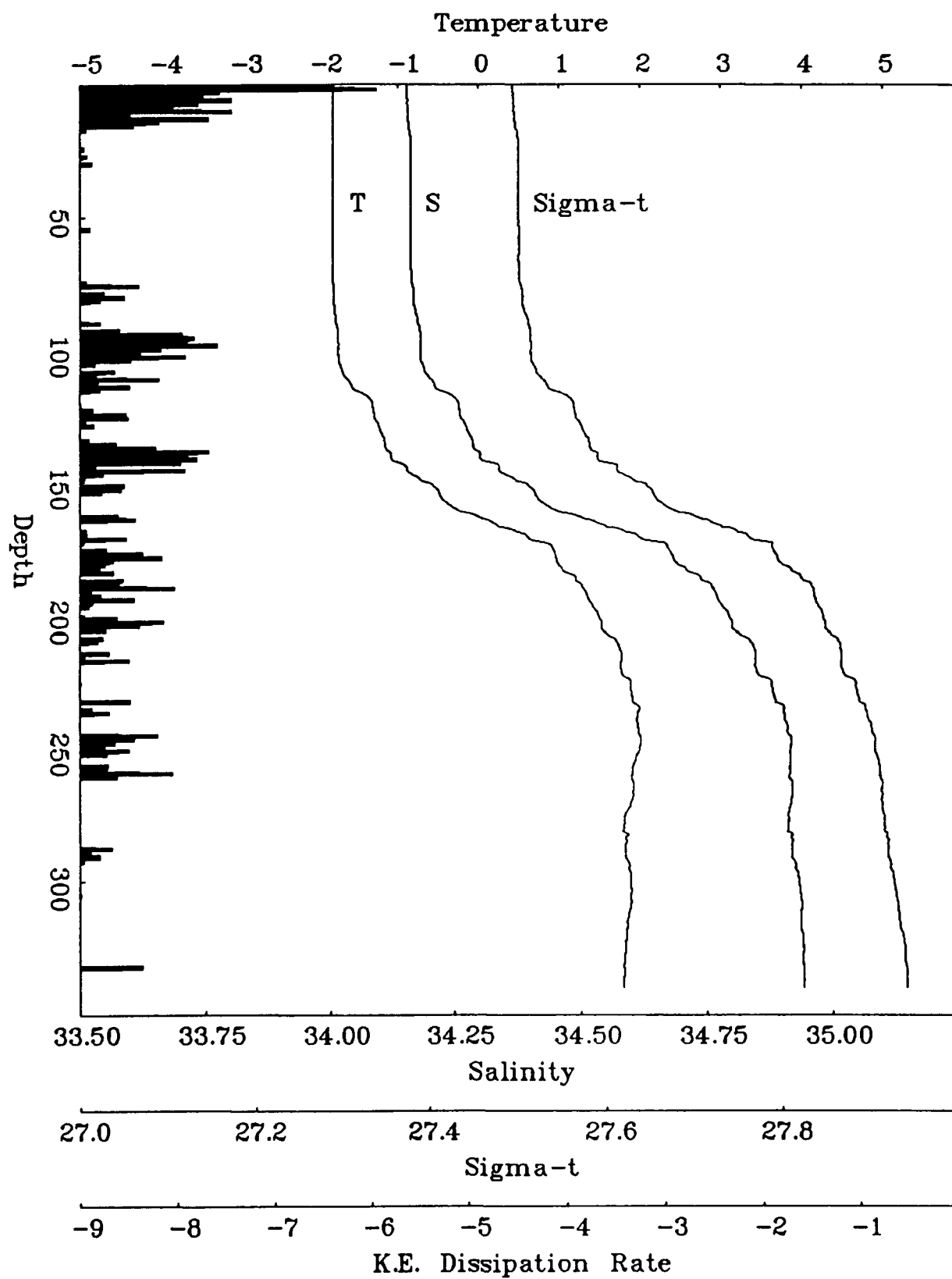
CEAREX Cast 1350, JD 111.6796, 16:10, 82.45N, 7.23E



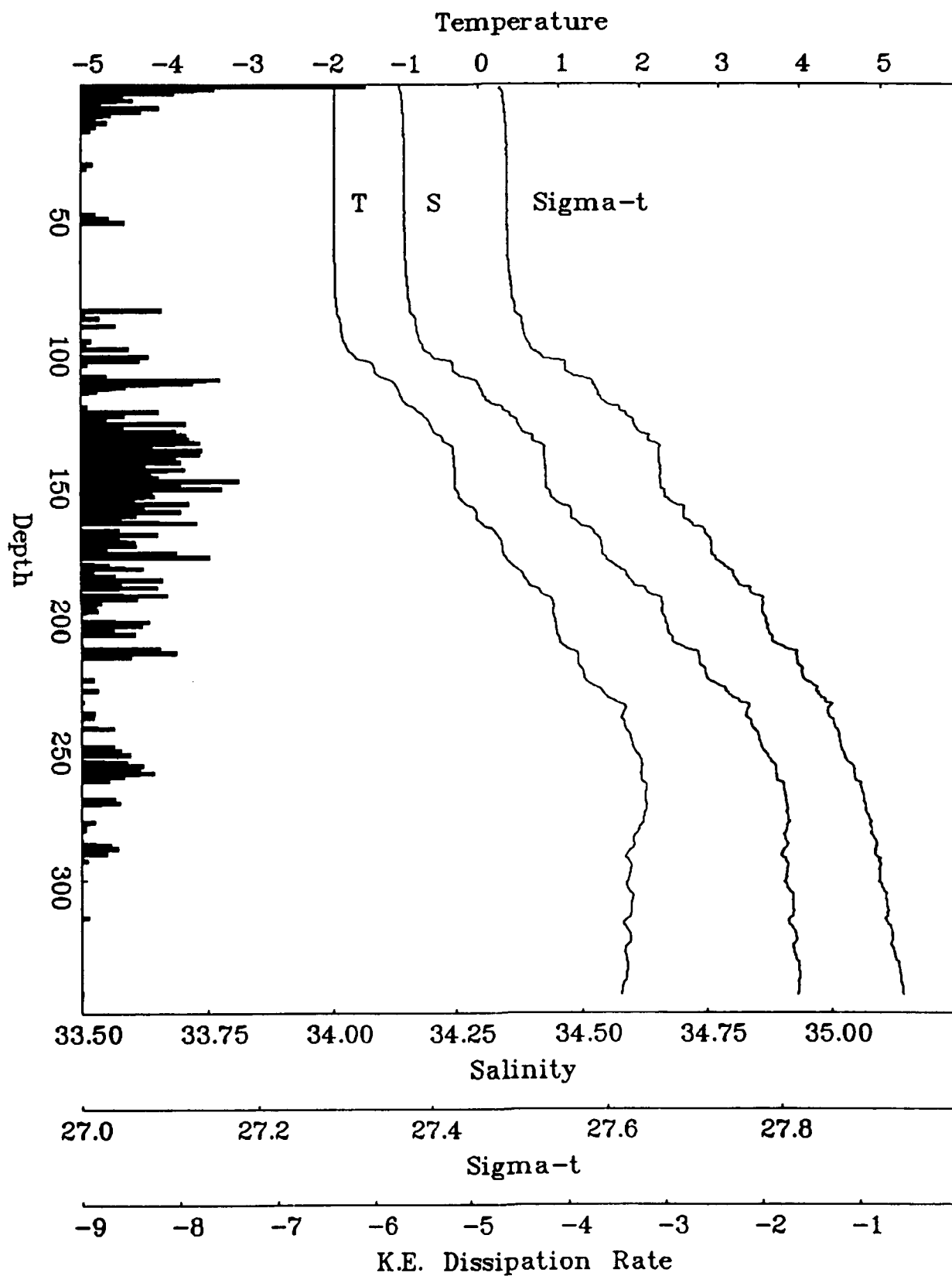
CEAREX Cast 1359, JD 111.8384, 19:59, 82.45N, 7.19E



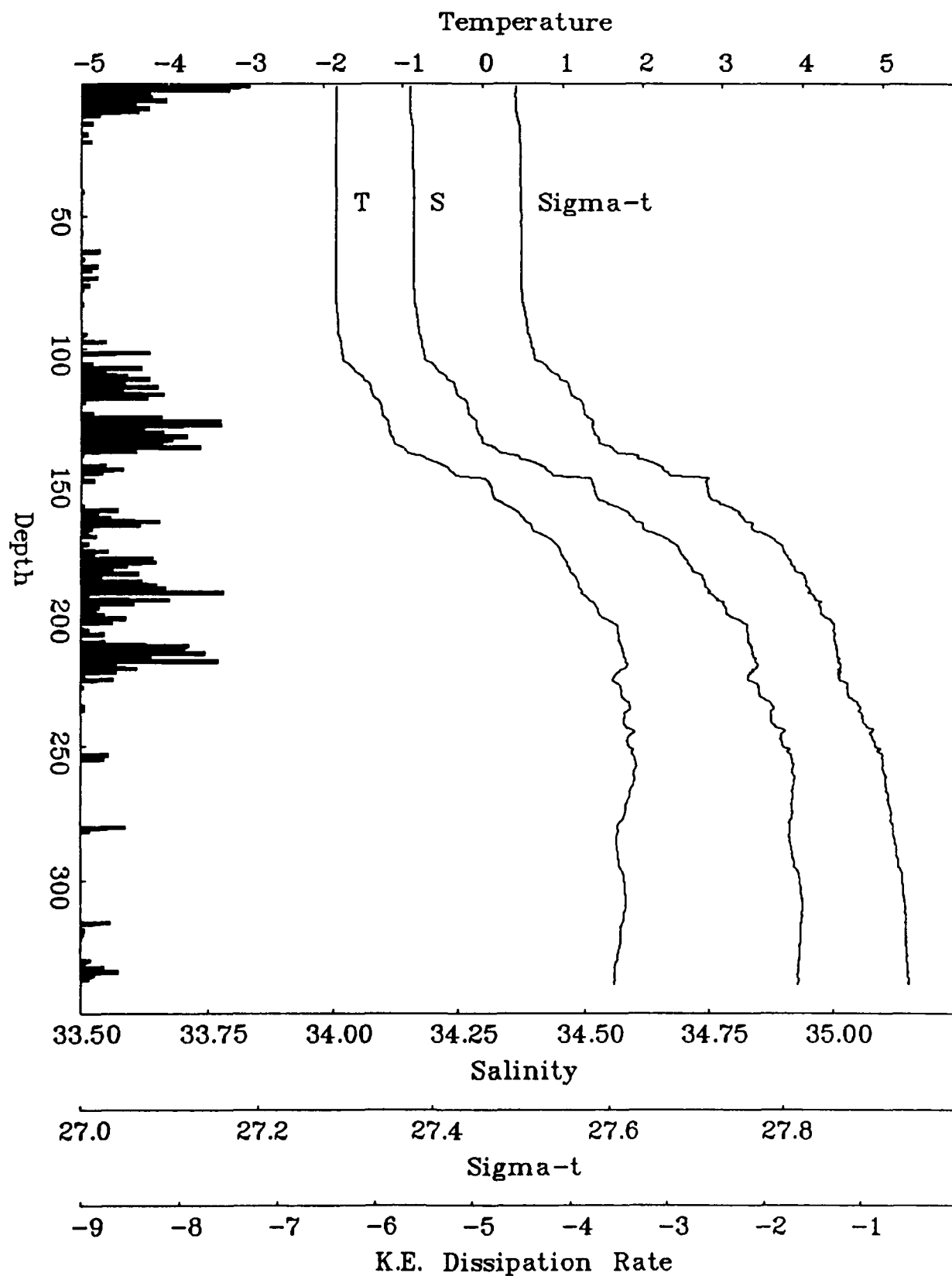
CEAREX Cast 1368, JD 112.0041, 23:57, 82.44N, 7.15E



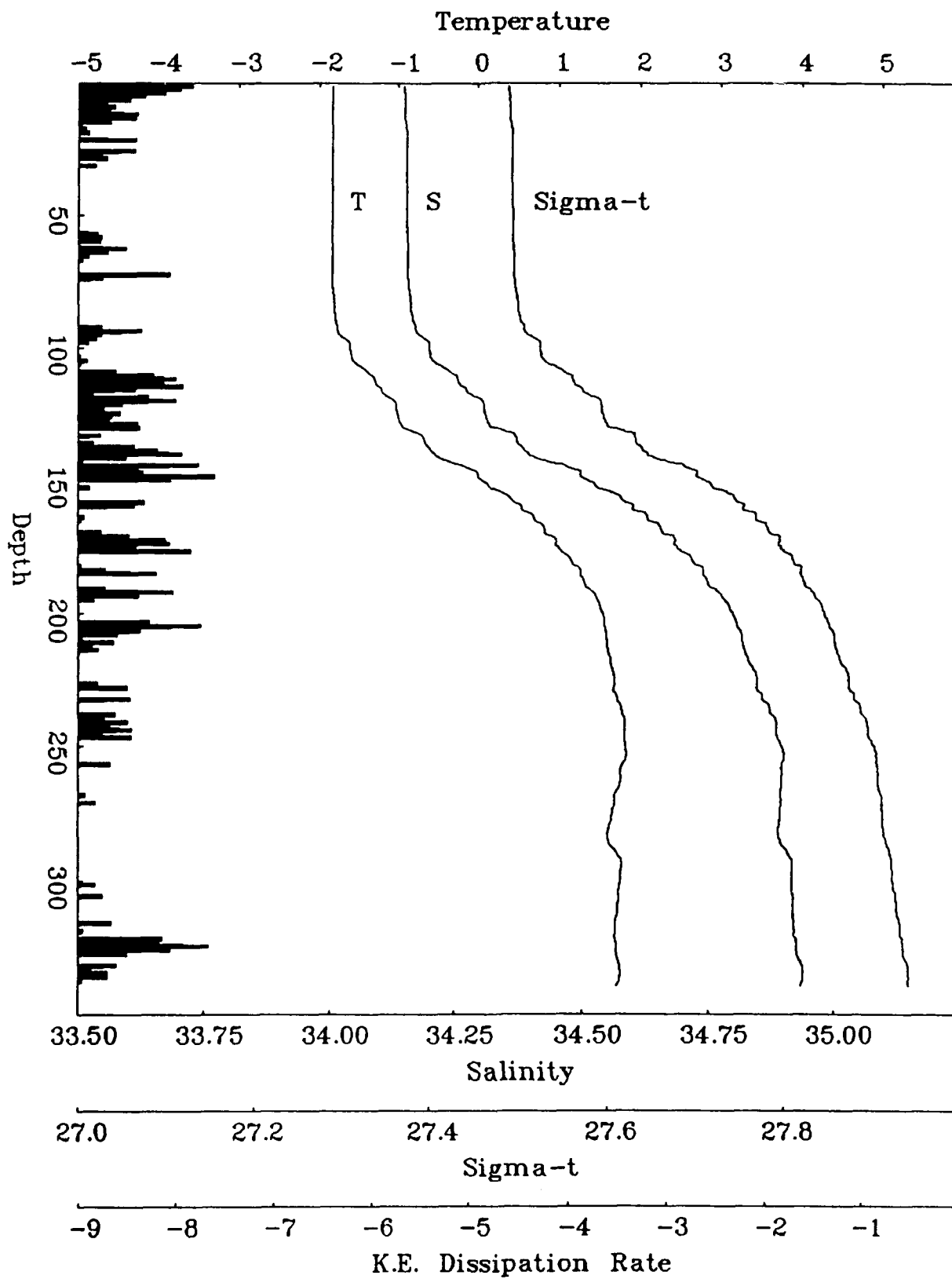
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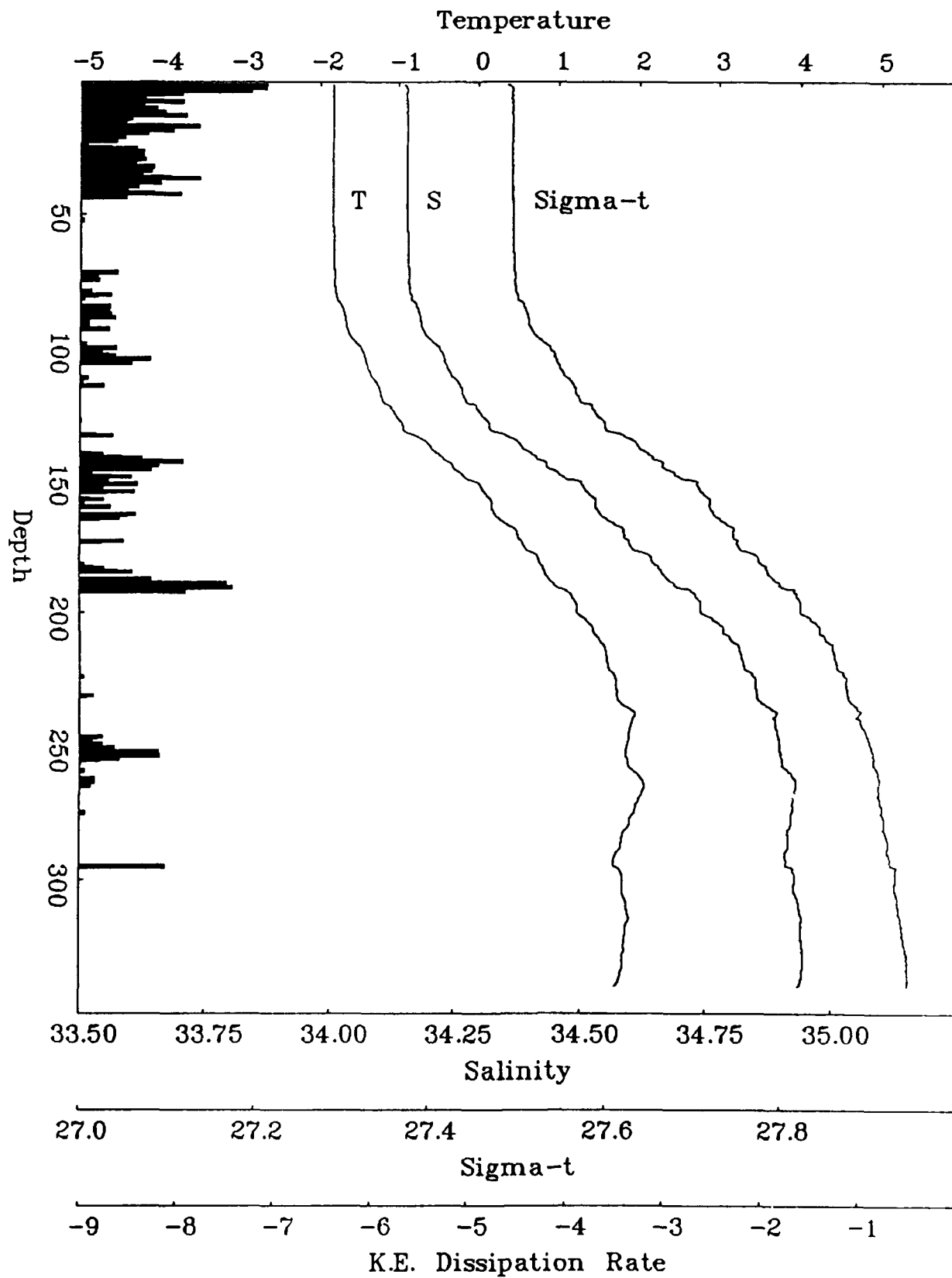
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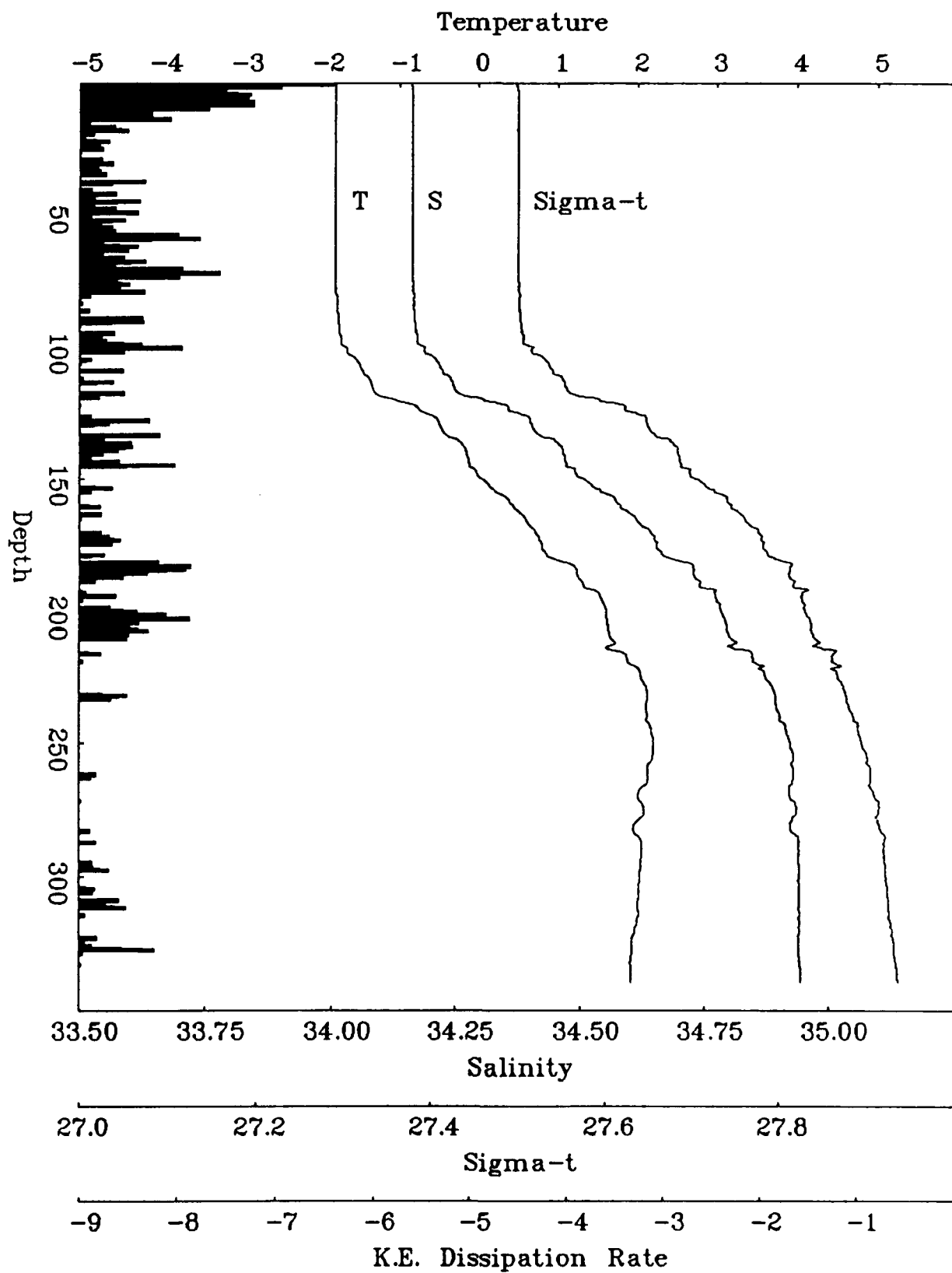
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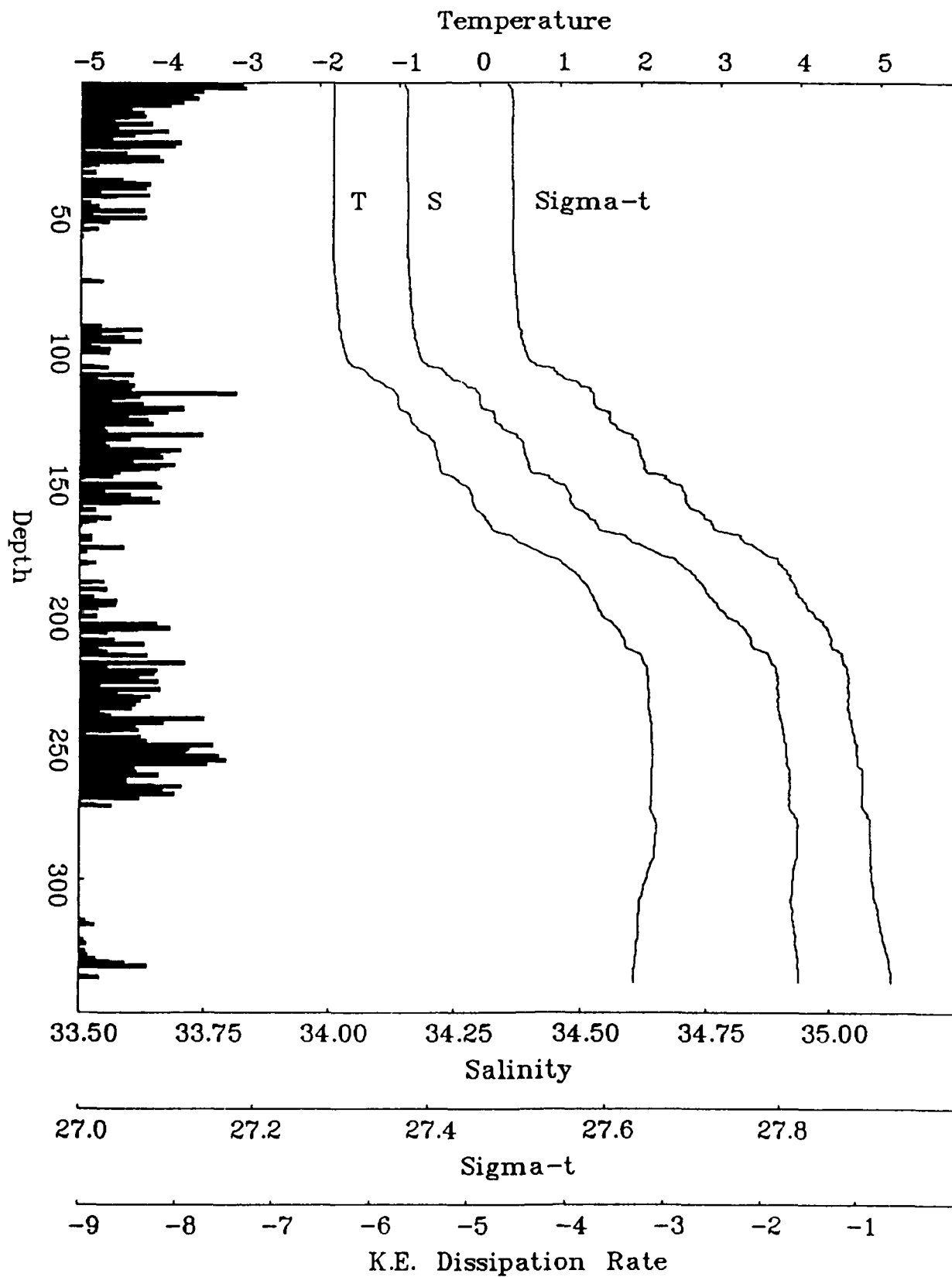
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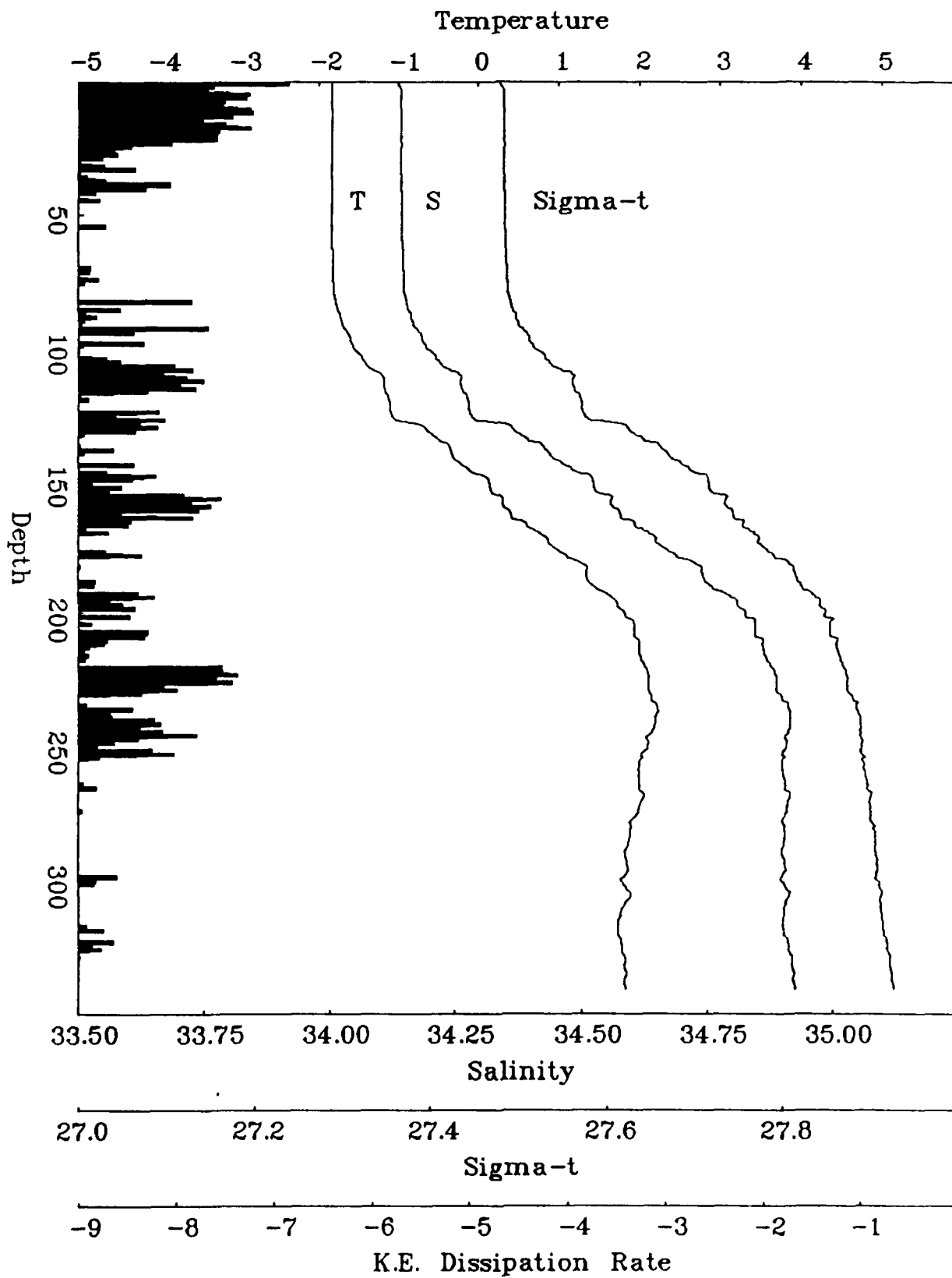
CEAREX Cast 1428, JD 112.8383, 19:59, 82.41N, 6.93E



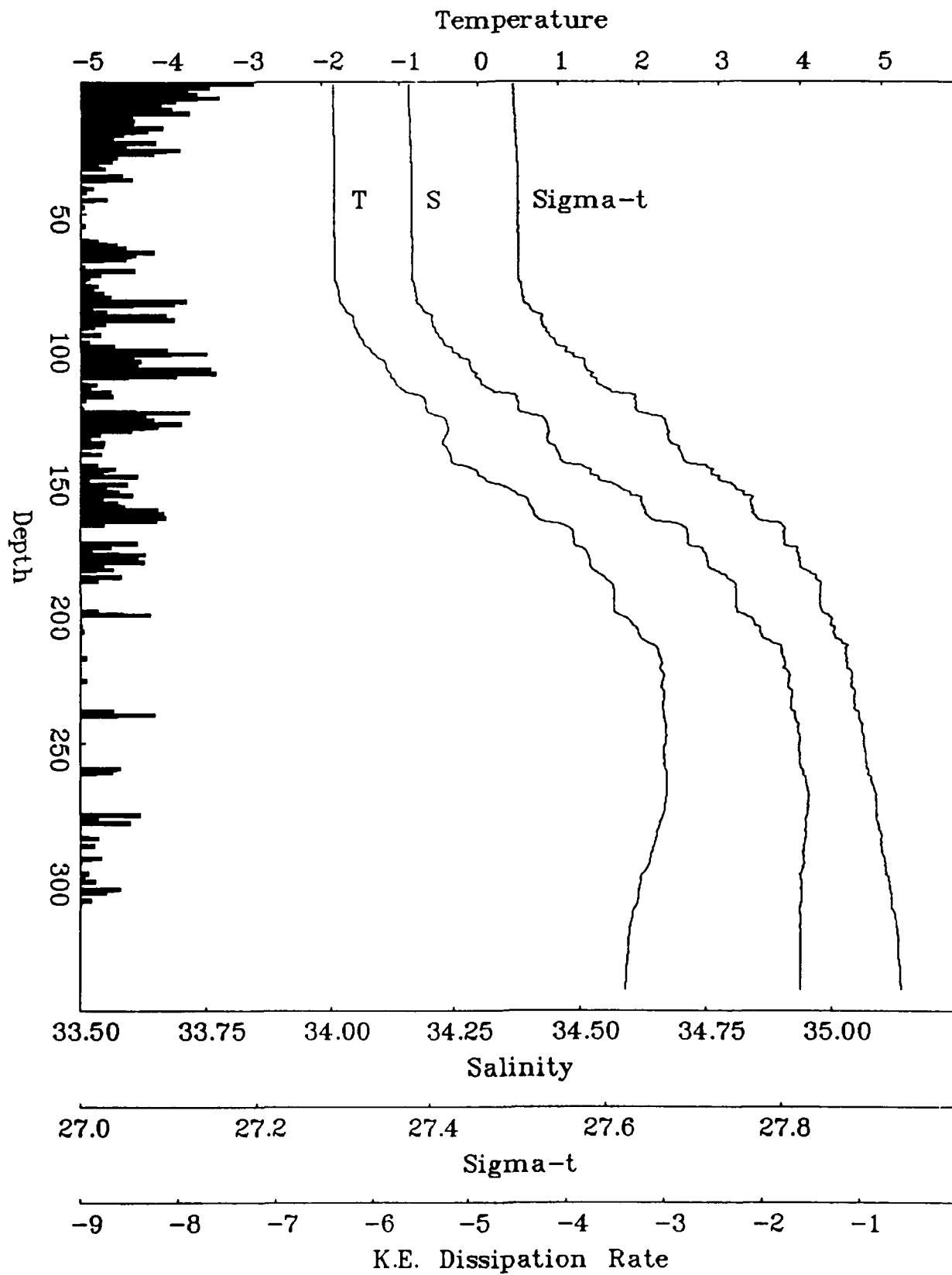
CEAREX Cast 1441, JD 113.0014, 23:54, 82.40N, 6.85E



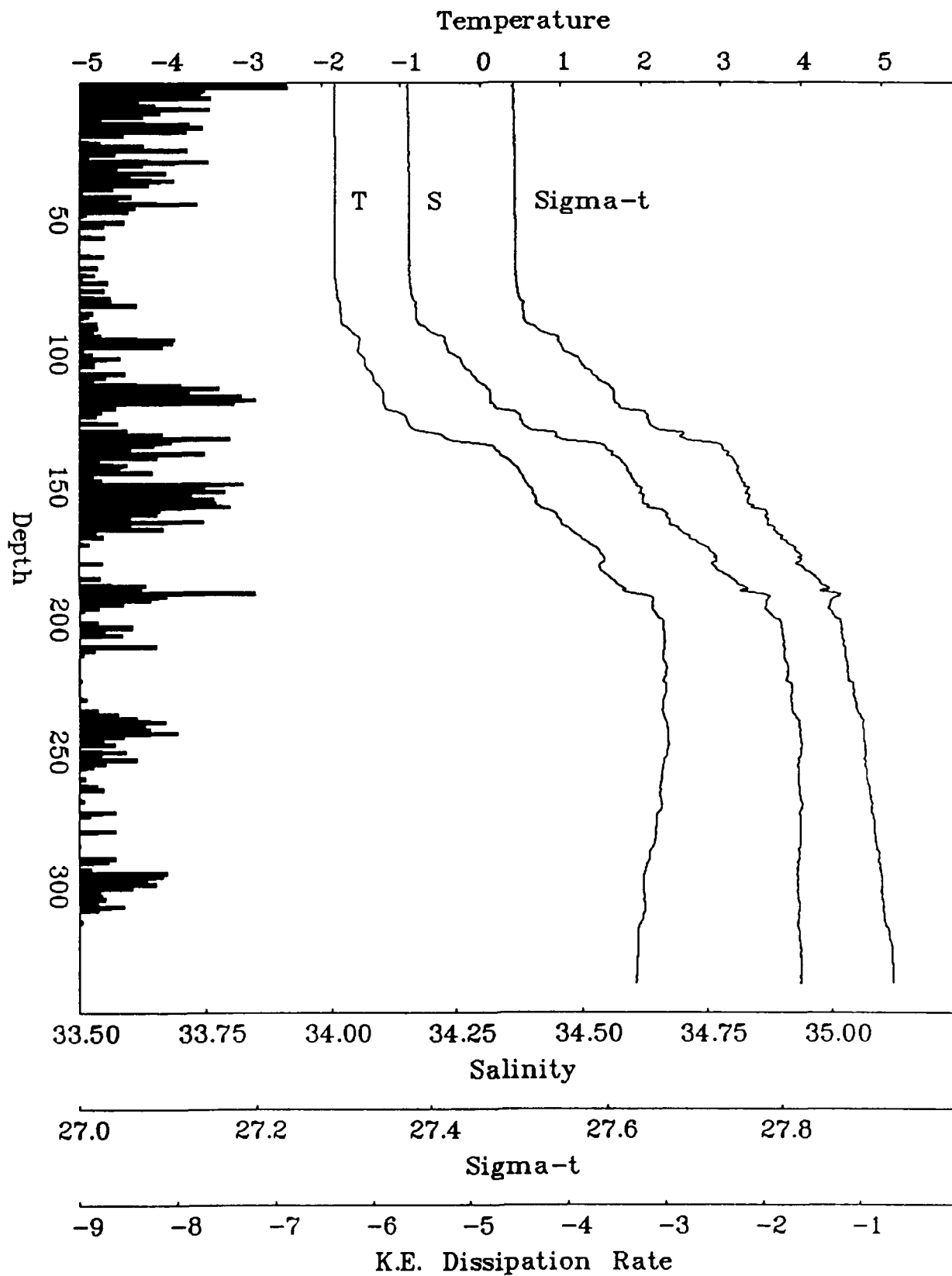
CEAREX Cast 1457, JD 113.1723, 04:00, 82.40N, 6.80E



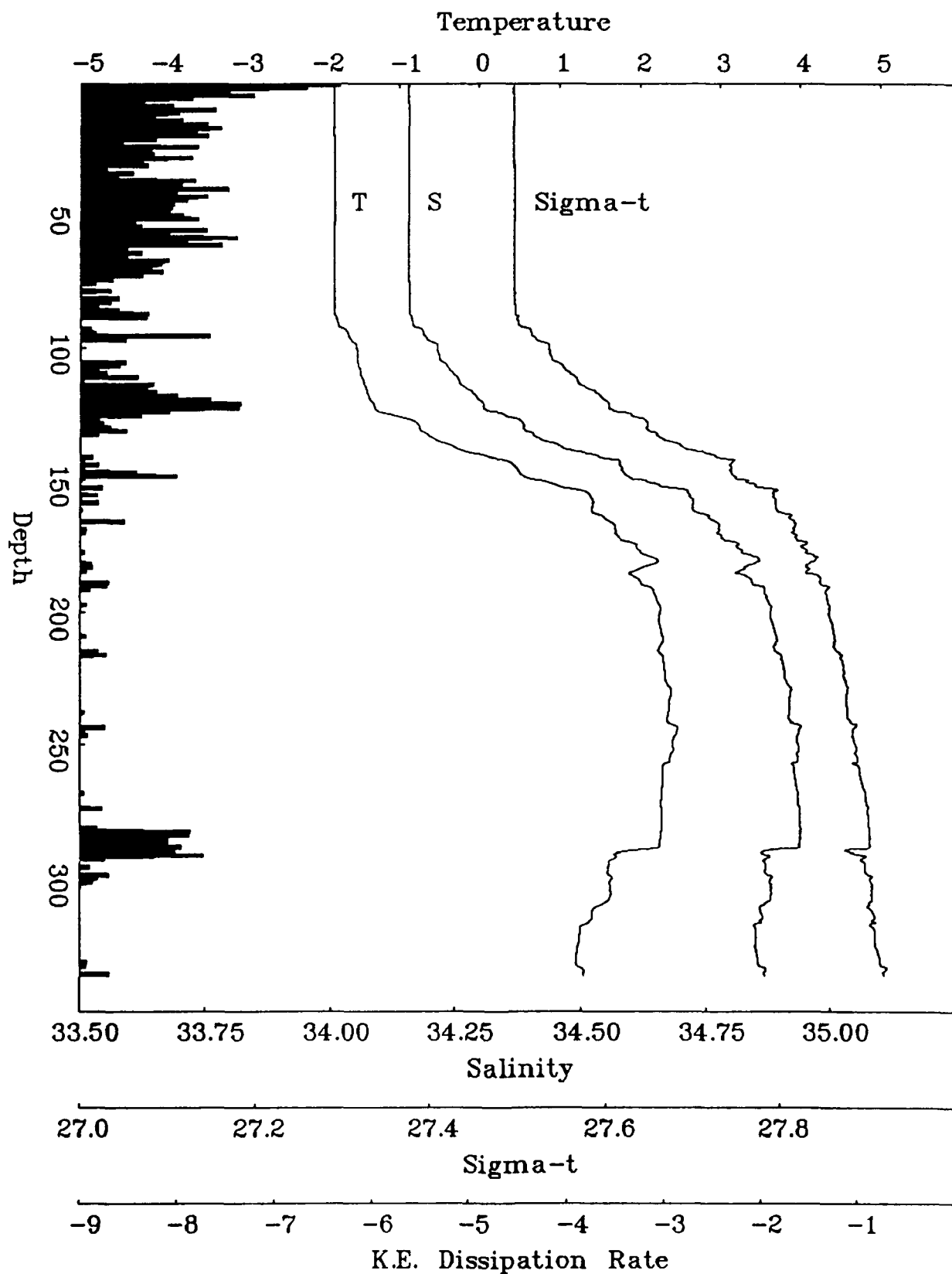
CEAREX Cast 1472, JD 113.3539, 08:21, 82.39N, 6.72E



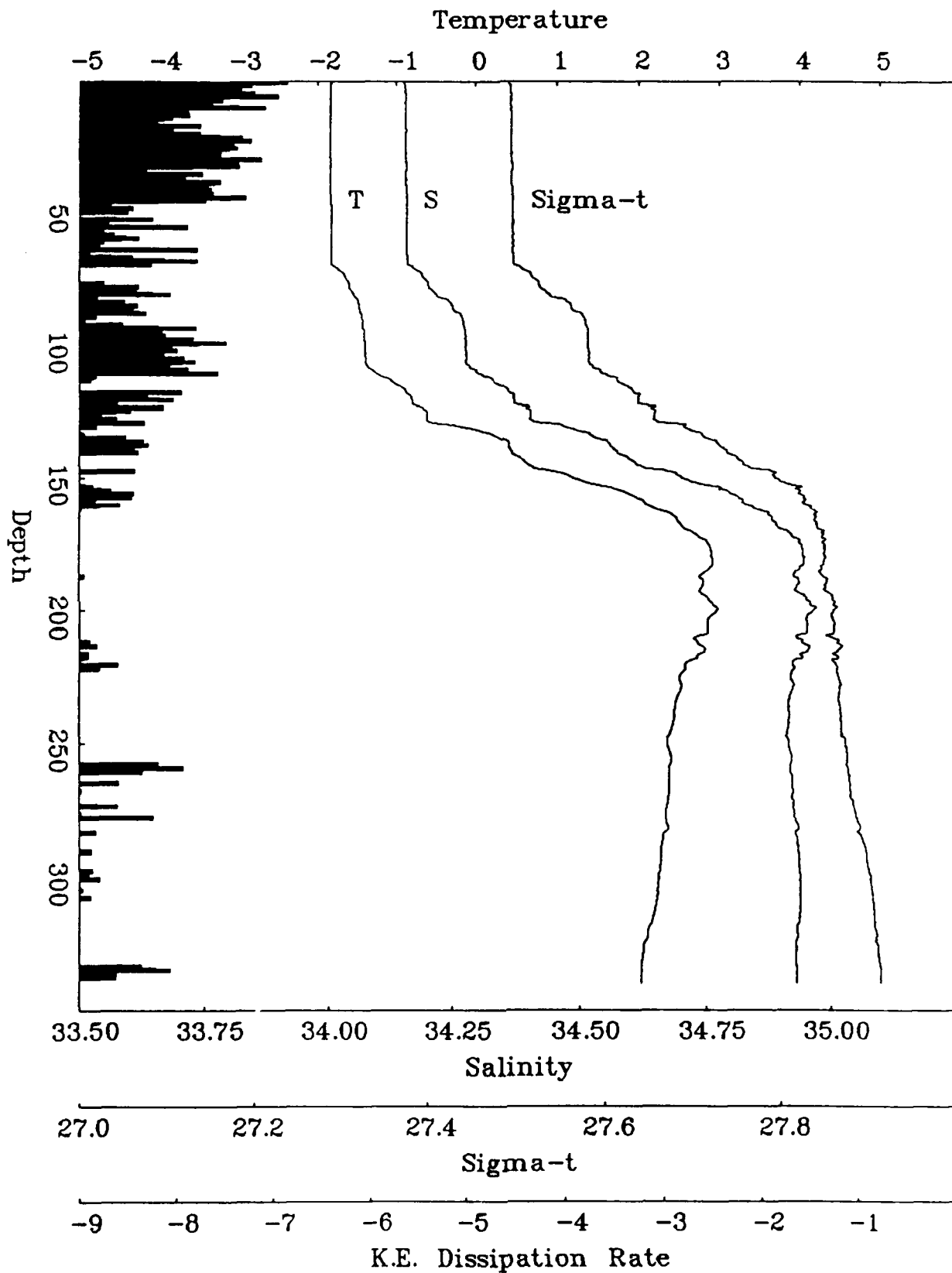
CEAREX Cast 1486, JD 113.5106, 12:07, 82.38N, 6.62E



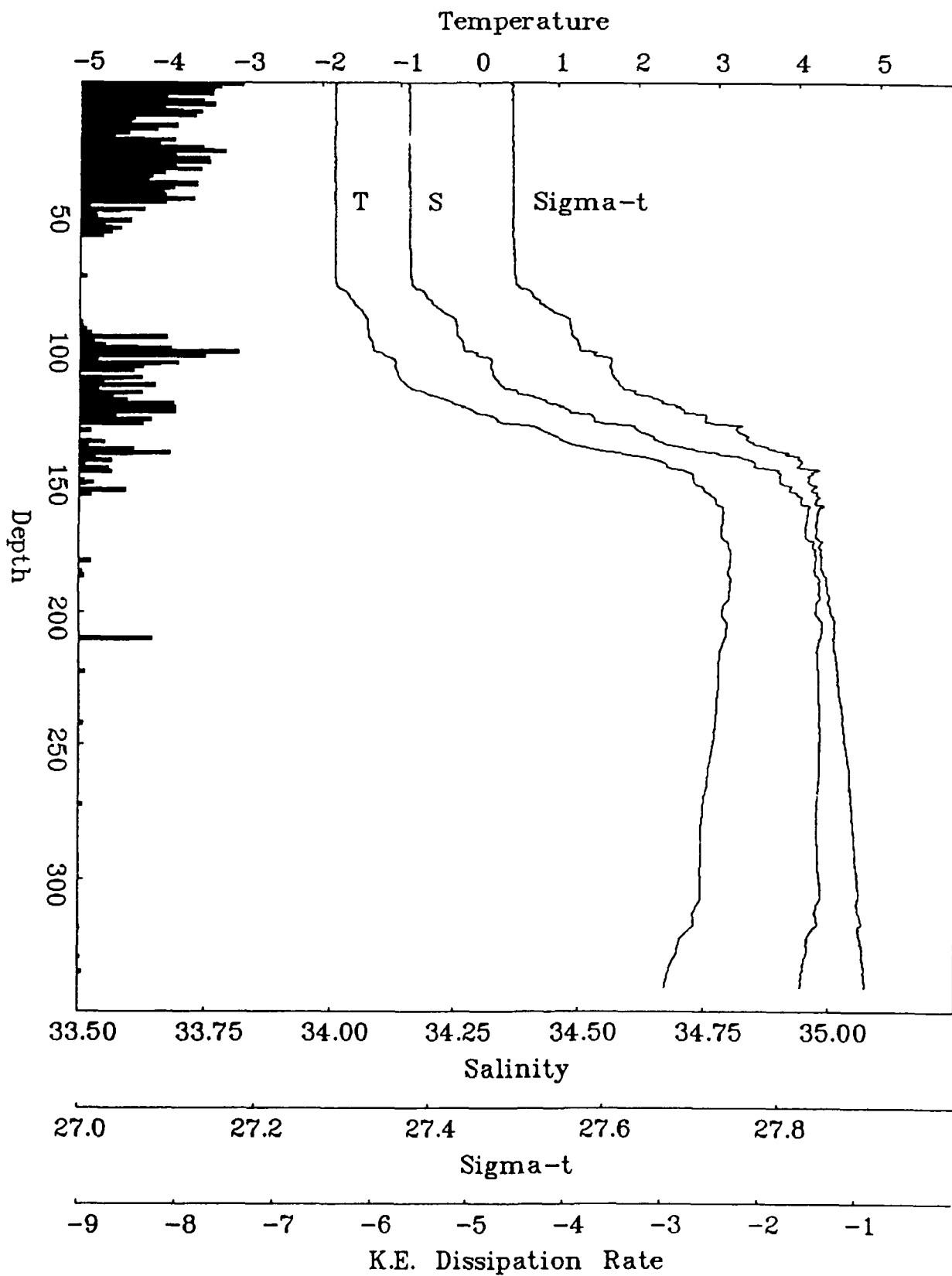
CEAREX Cast 1500, JD 113.6730, 16:01, 82.37N, 6.50E



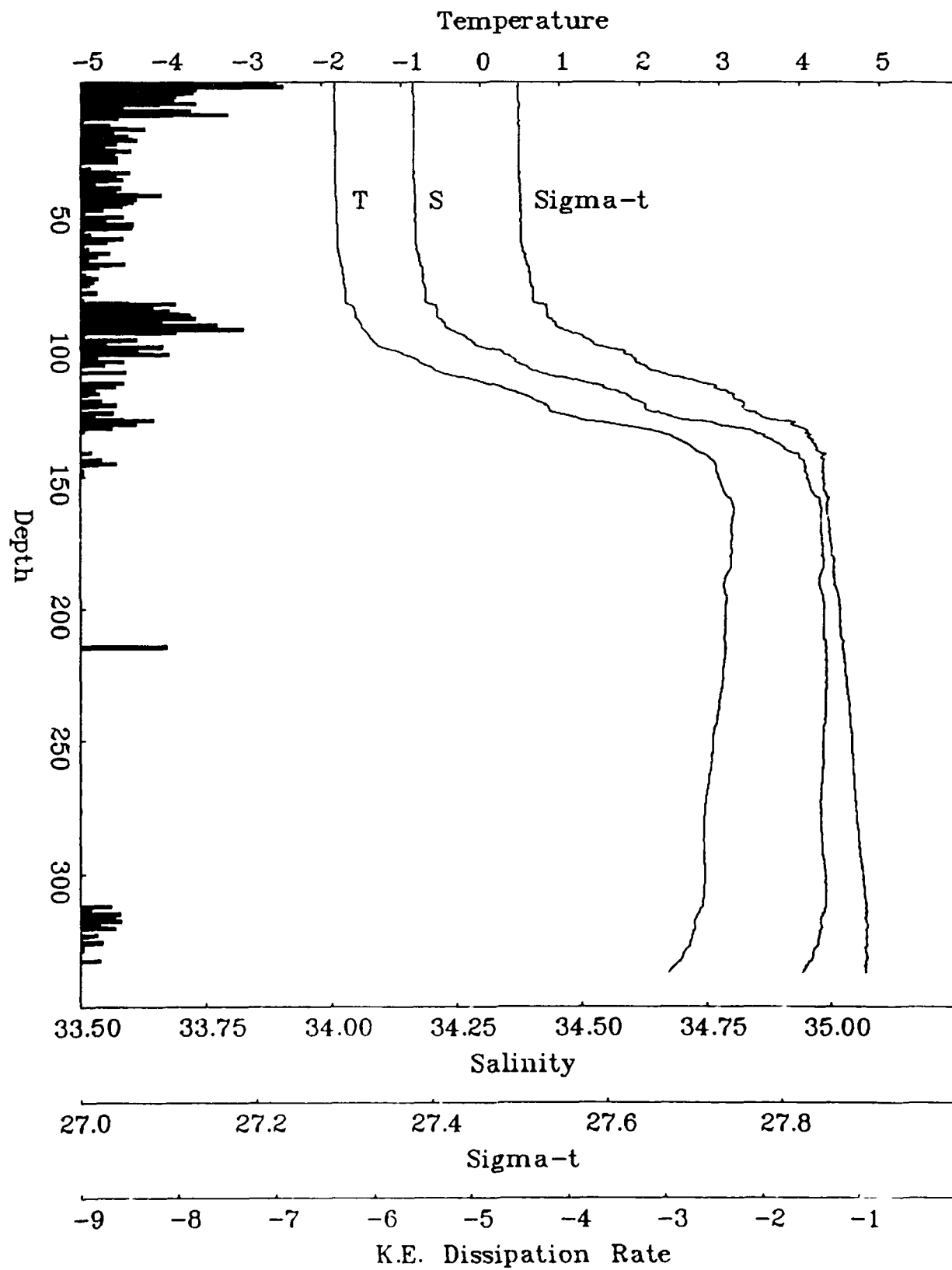
CEAREX Cast 1512, JD 113.8209, 19:34, 82.37N, 6.37E



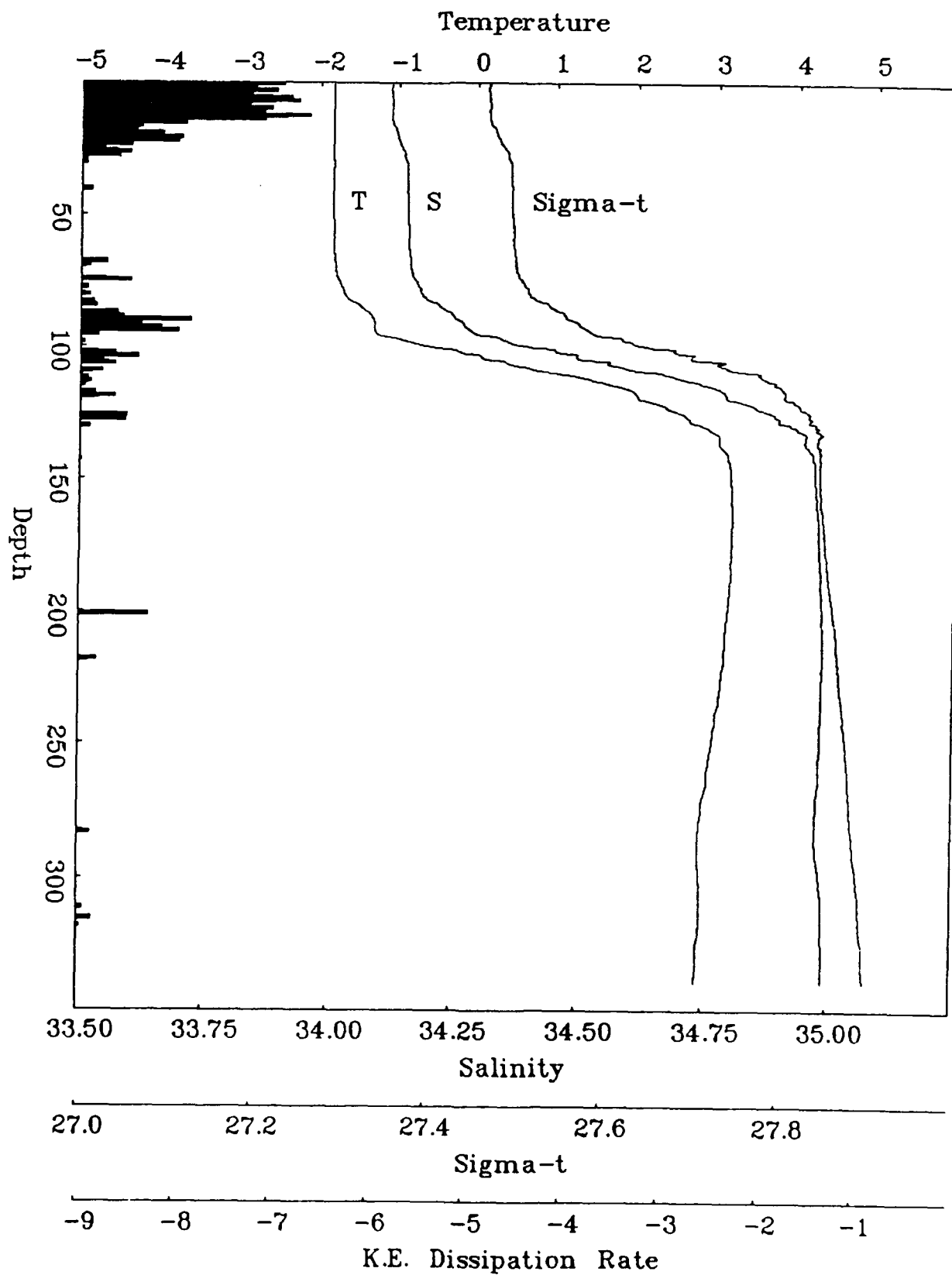
CEAREX Cast 1526, JD 114.0109, 00:07, 82.37N, 6.25E



CEAREX Cast 1535, JD 114.1724, 04:00, 82.37N, 6.23E



CEAREX Cast 1545, JD 114.3246, 07:39, 82.36N, 6.17E

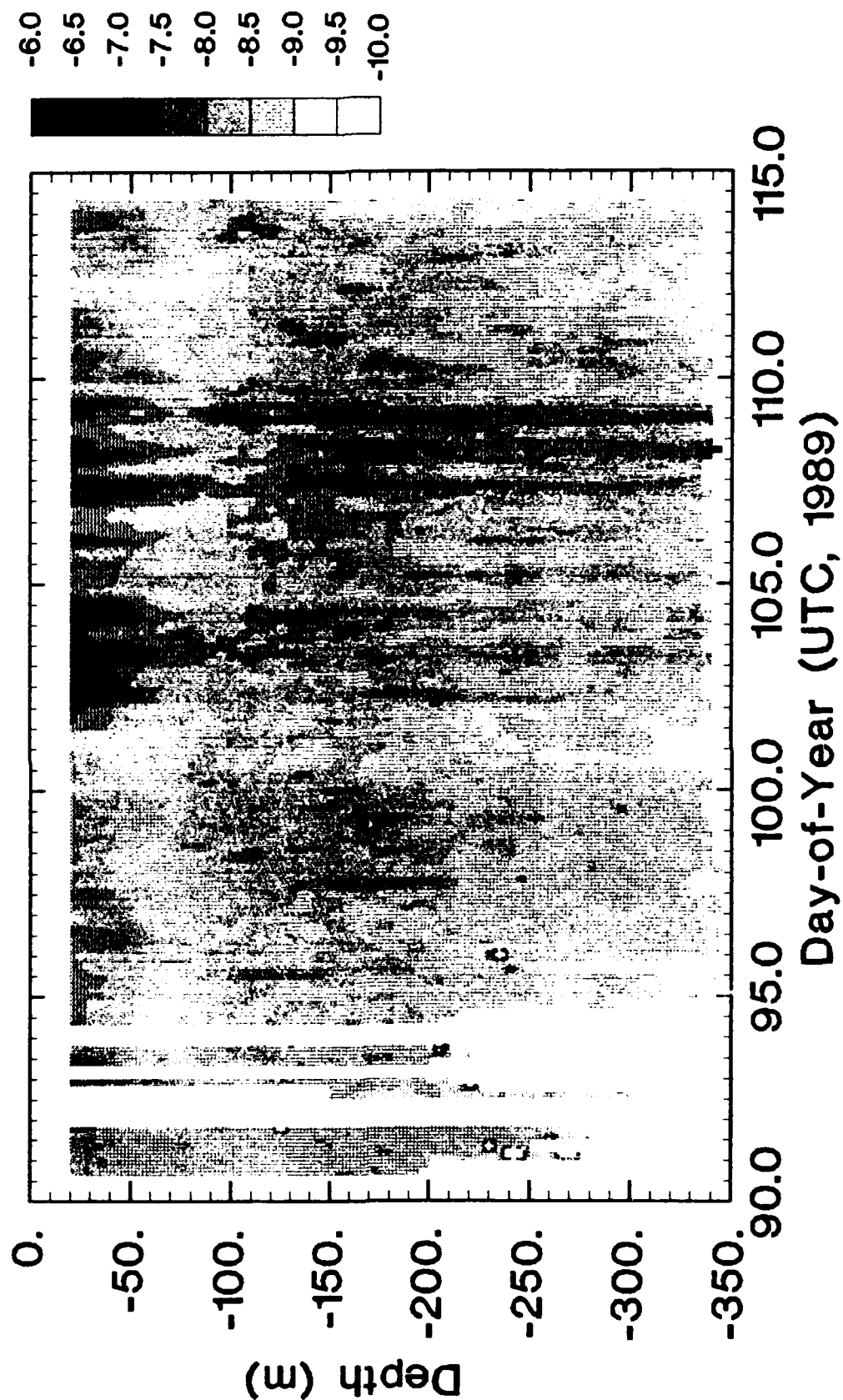


Section 4:

Transects of Temperature, Salinity, Density, and Dissipation Rate for Entire Experiment (4-hour filter)

Contour intervals for T , S and σ_t are 0.5°C , 0.1 psu , and 0.05 kg m^{-3} respectively. The location of each RSVP profile is shown by an arrow along $z = -20 \text{ m}$. Dissipation rate, ϵ , is shown as contours of $\log_{10}\epsilon$, in steps of half a decade.

Dissipation Rate (CEAREX)

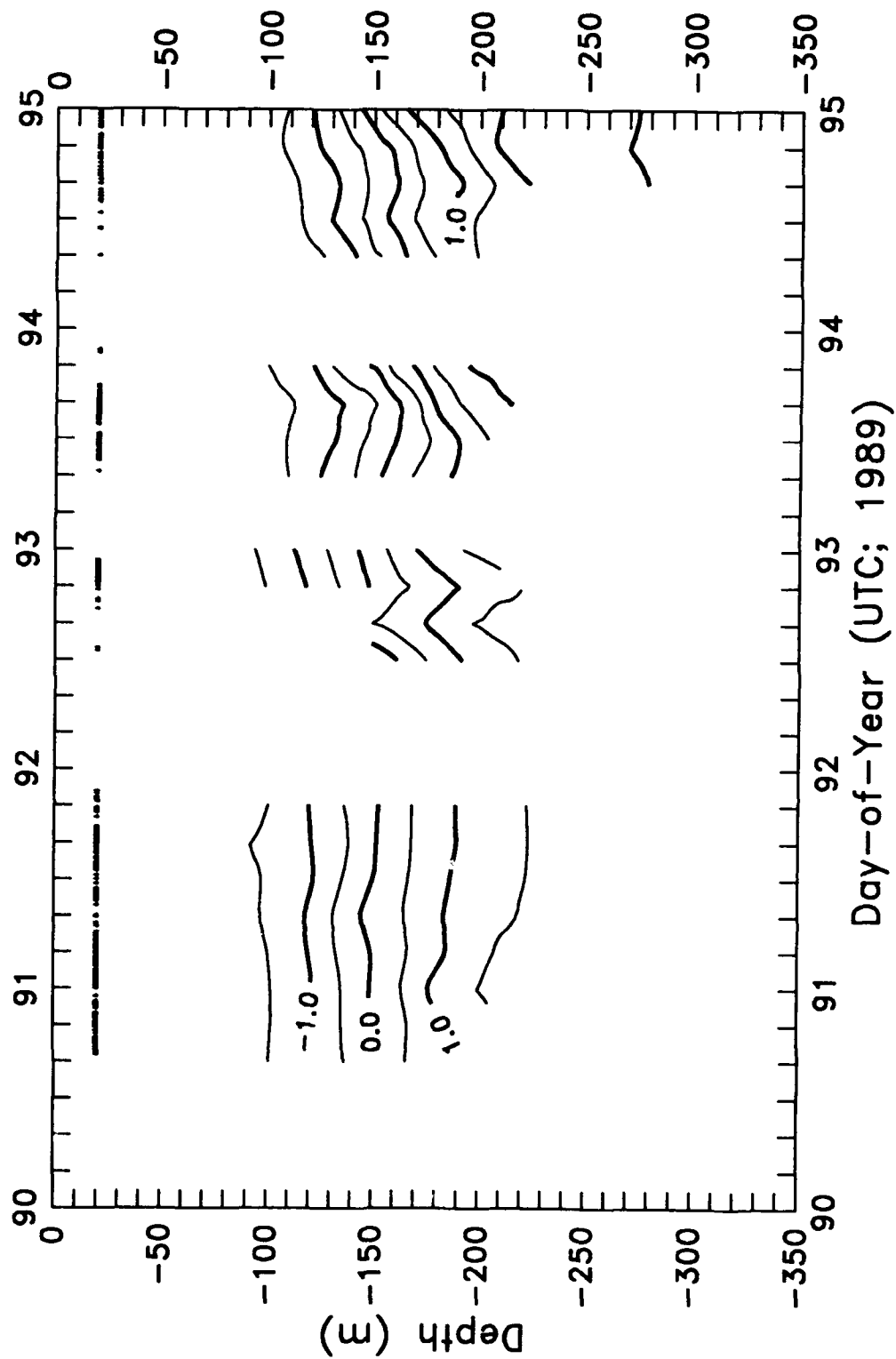


Section 5:

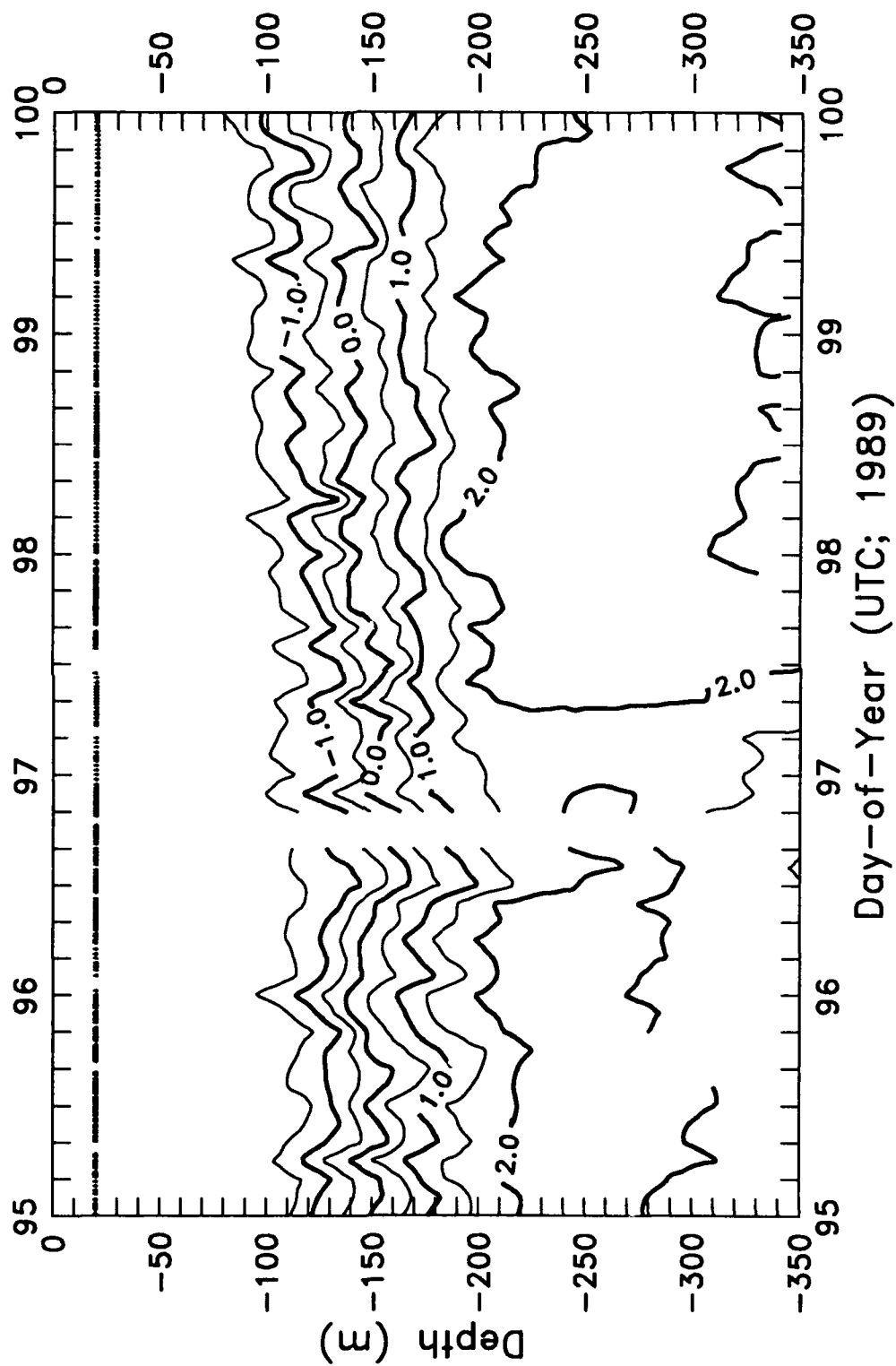
Transects of Temperature, Salinity, Density, and Dissipation Rate for 5-day Segments (1-hour filter)

Contour intervals for T , S and σ_t are 0.5°C , 0.1 psu , and 0.05 kg m^{-3} respectively. The location of each RSVP profile is shown by an arrow along $z = -20 \text{ m}$. Dissipation rate, ϵ , is shown as contours of $\log_{10}\epsilon$, in steps of half a decade.

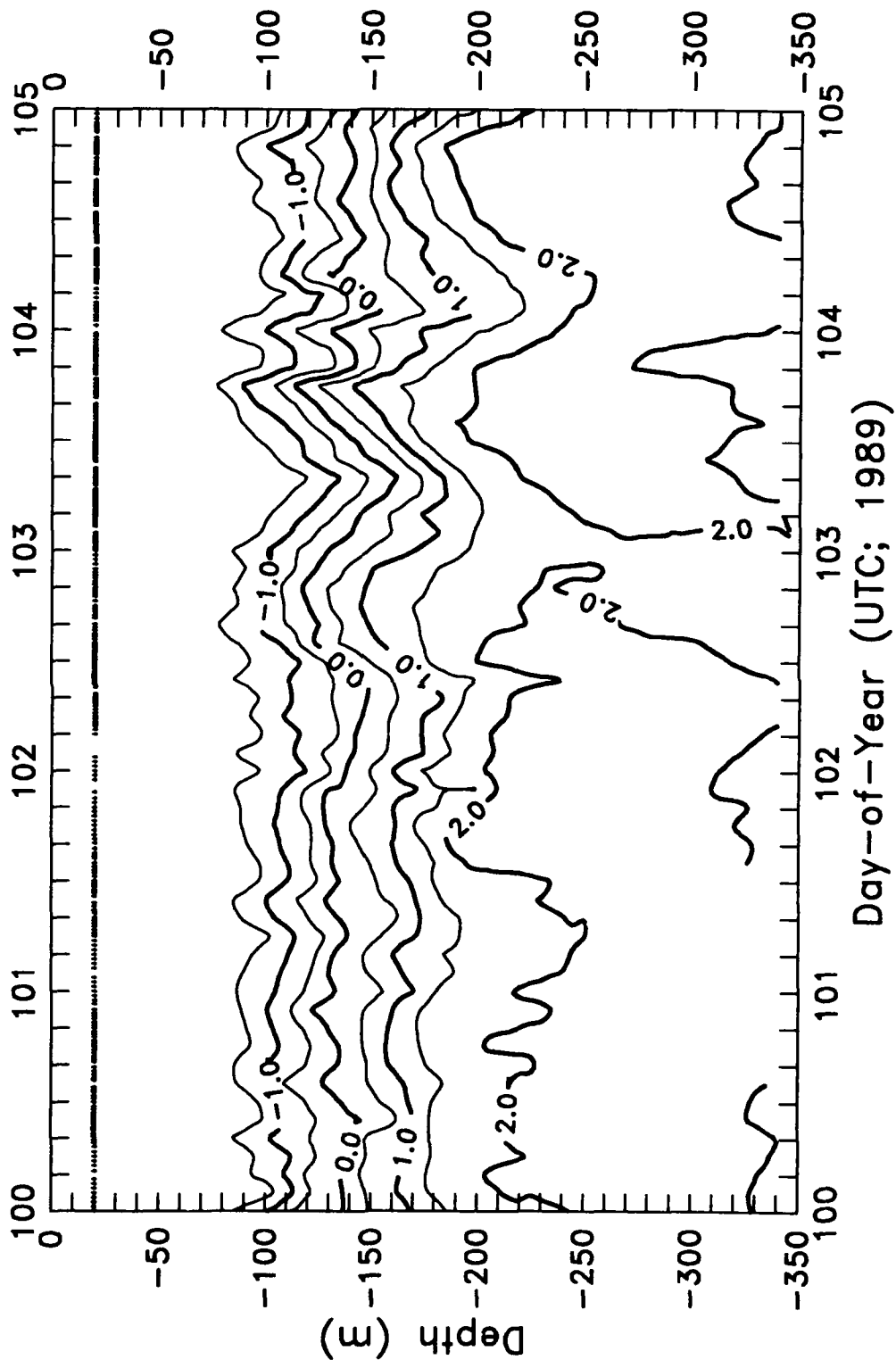
Temperatures (CEAREX)

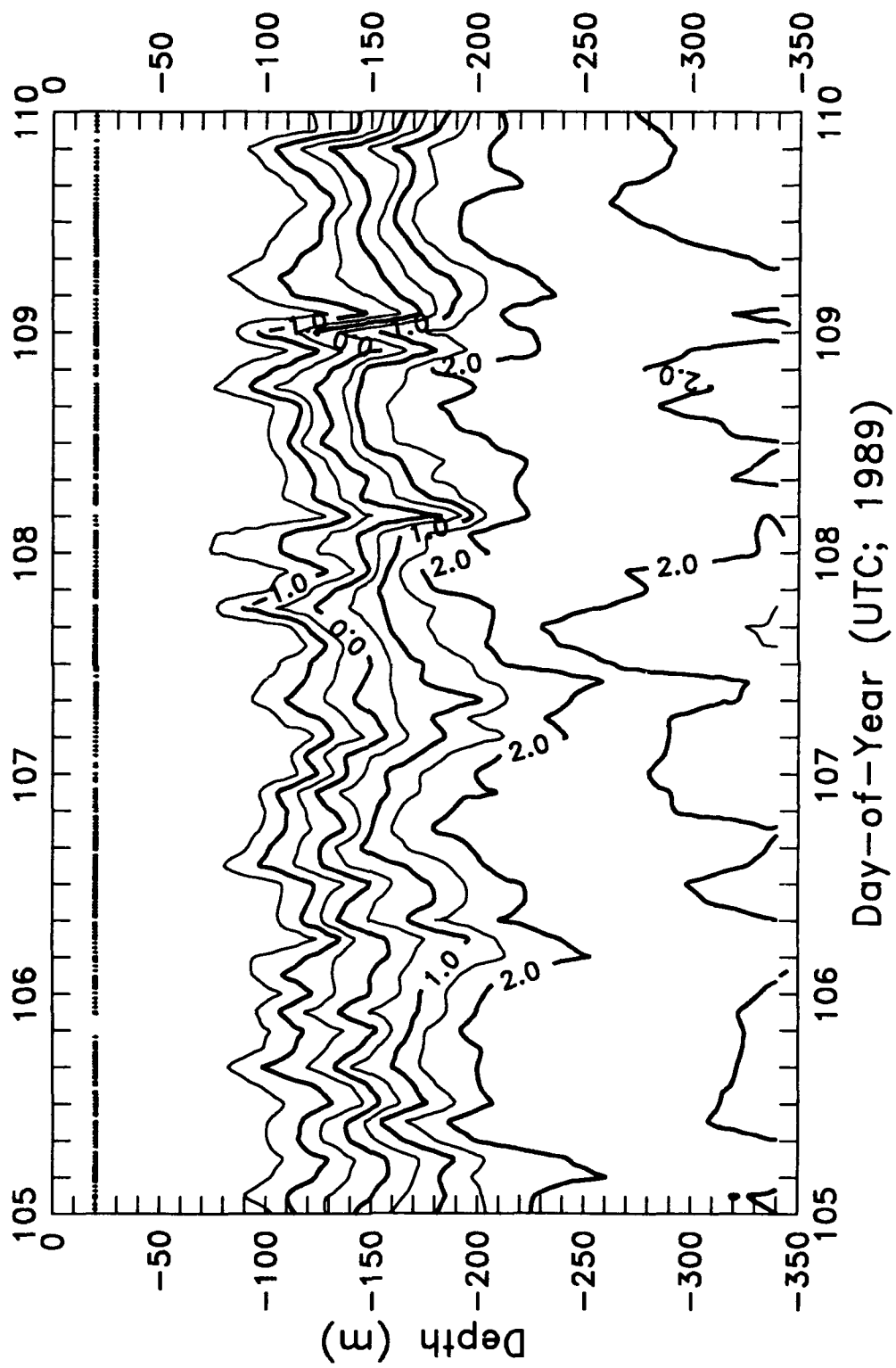


Temperatures (CEAREX)

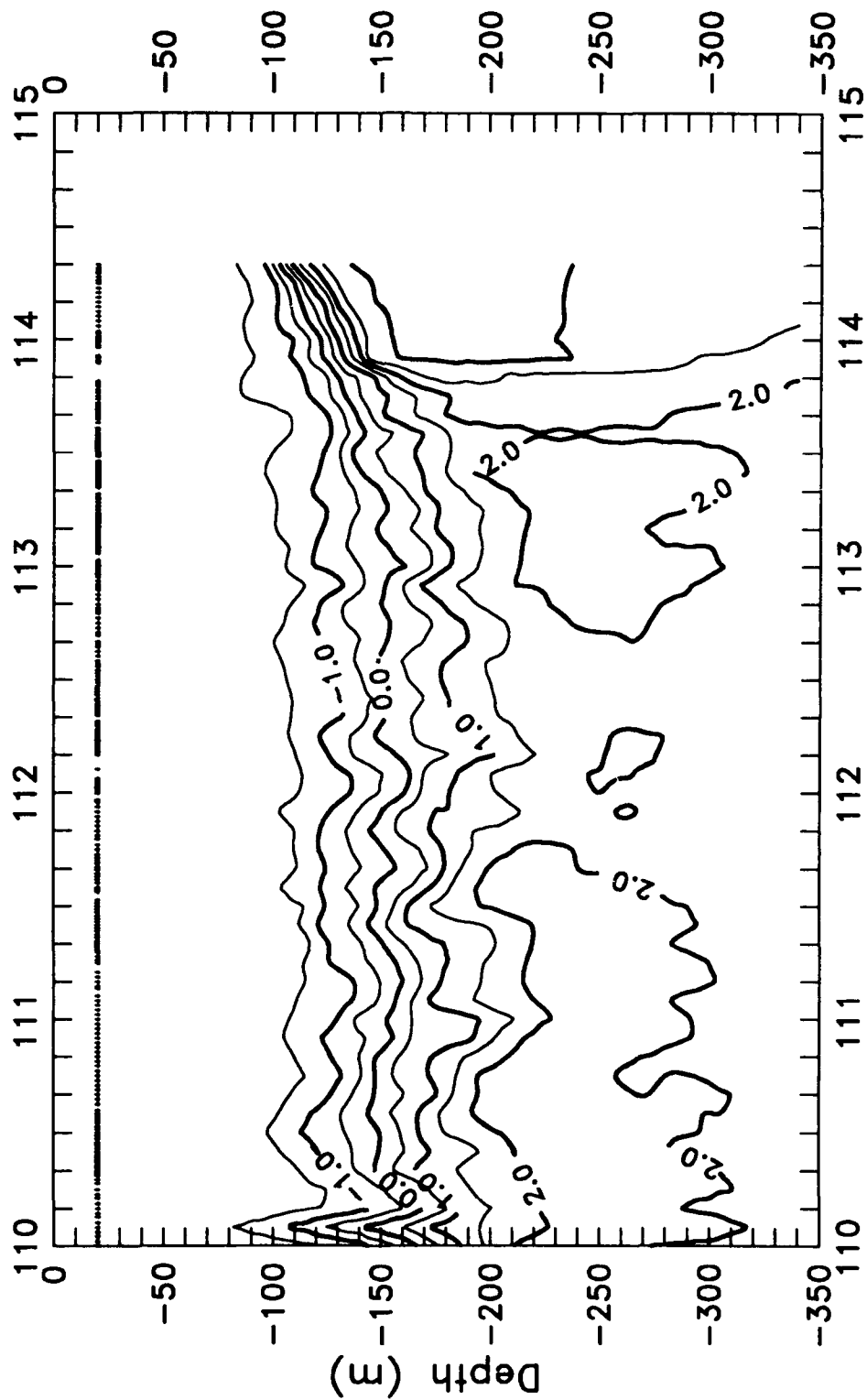


Temperatures (CEAREX)

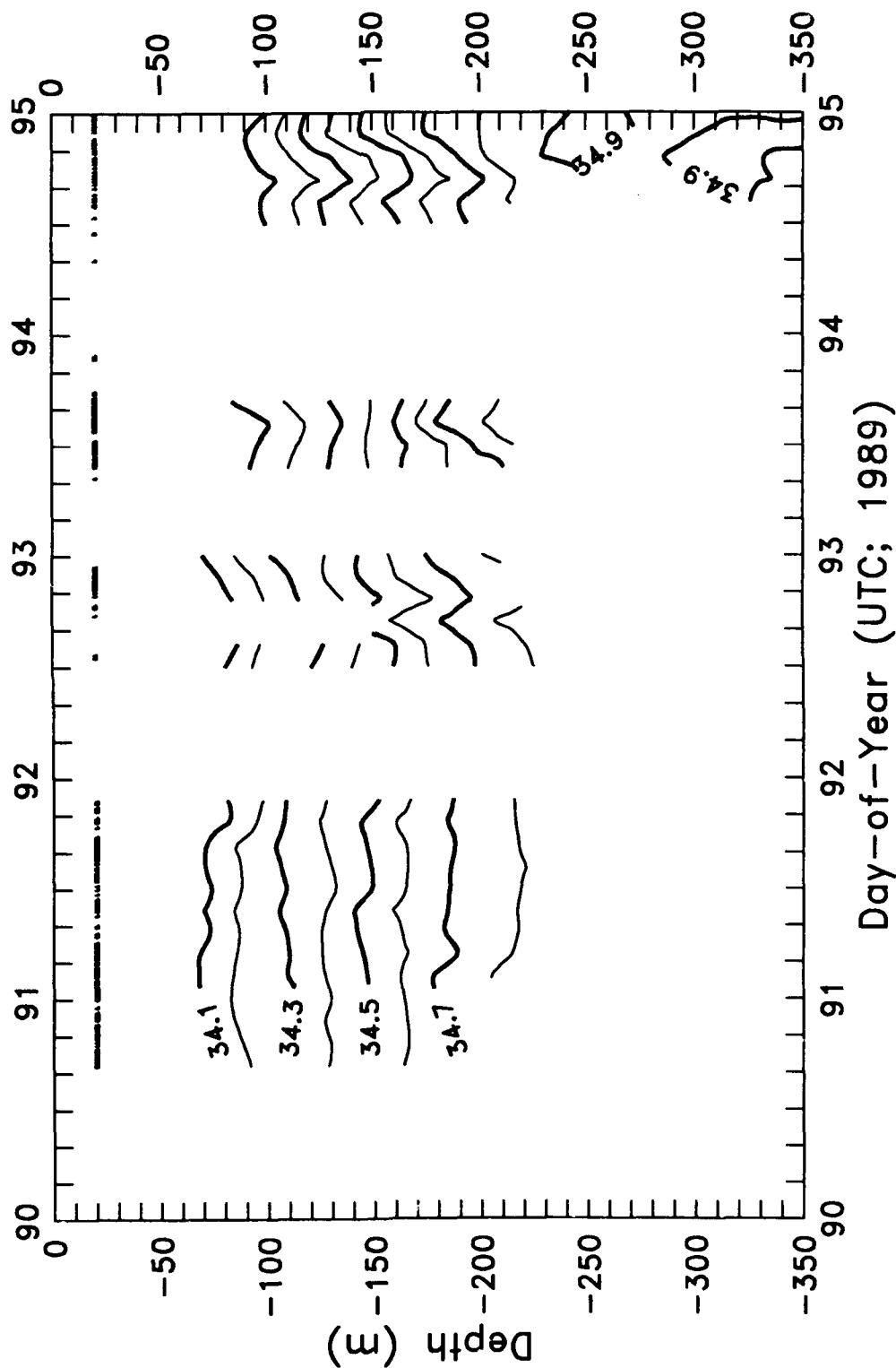




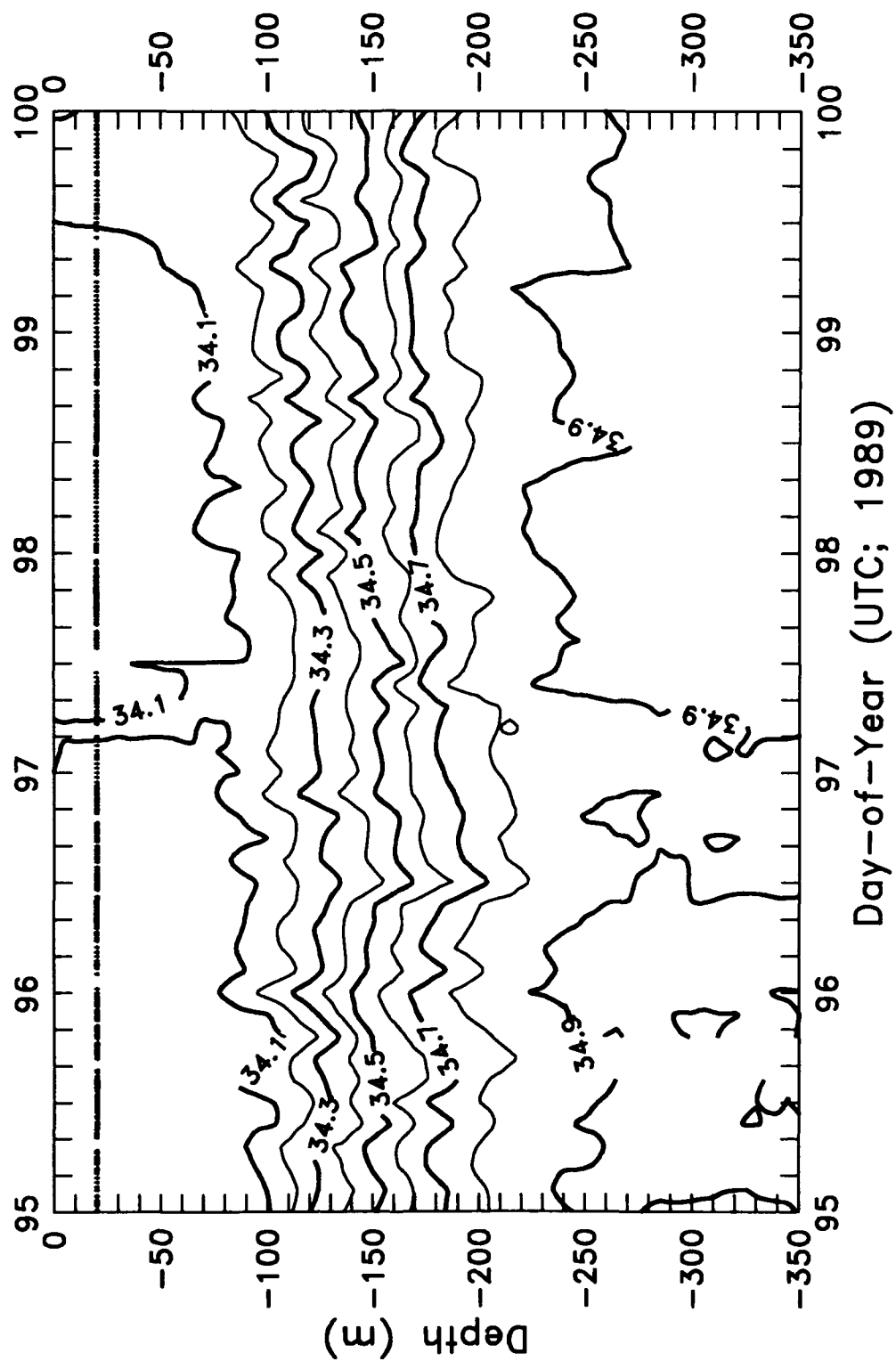
Temperatures (CEAREX)

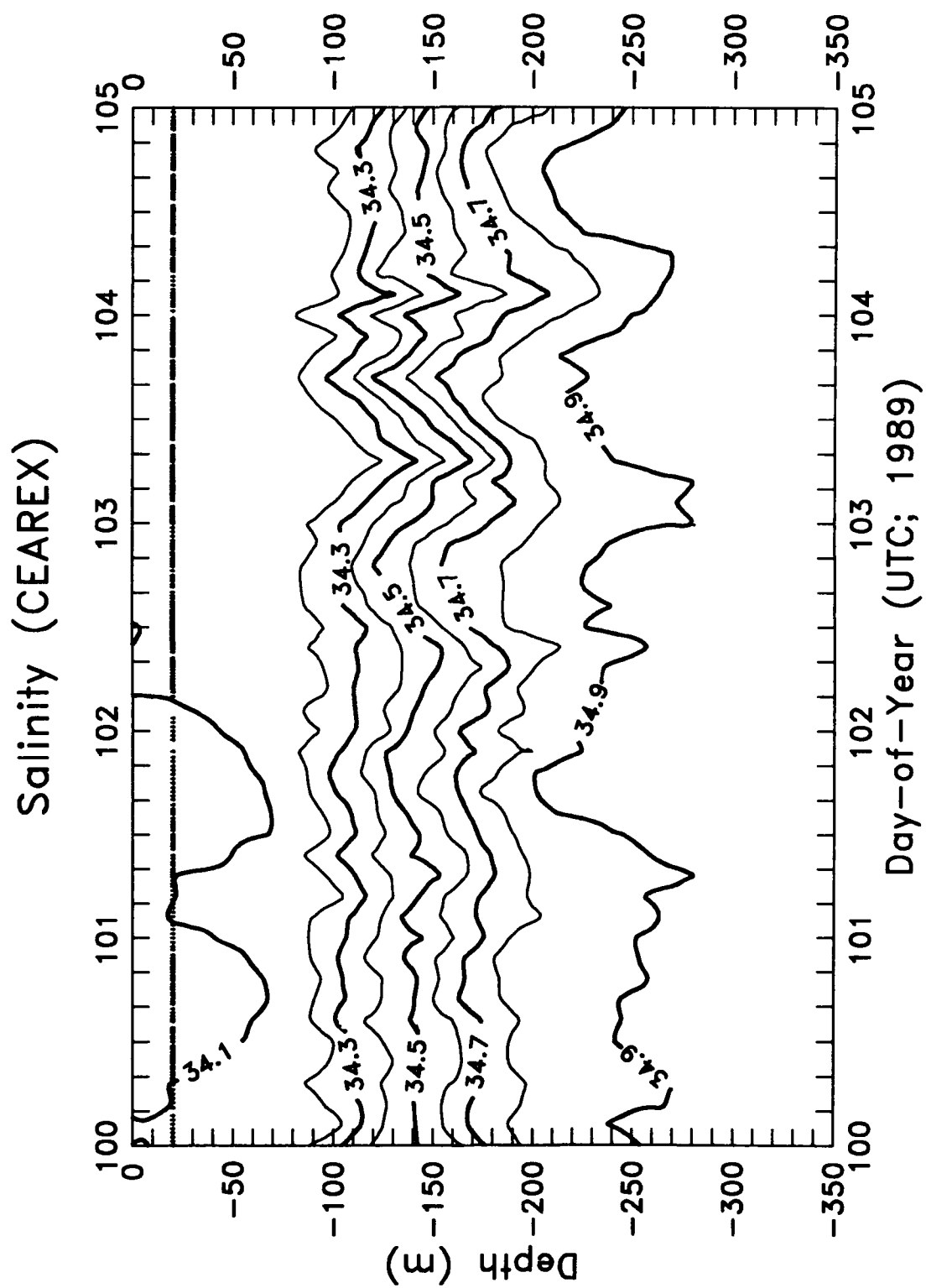


Salinity (CEAREX)

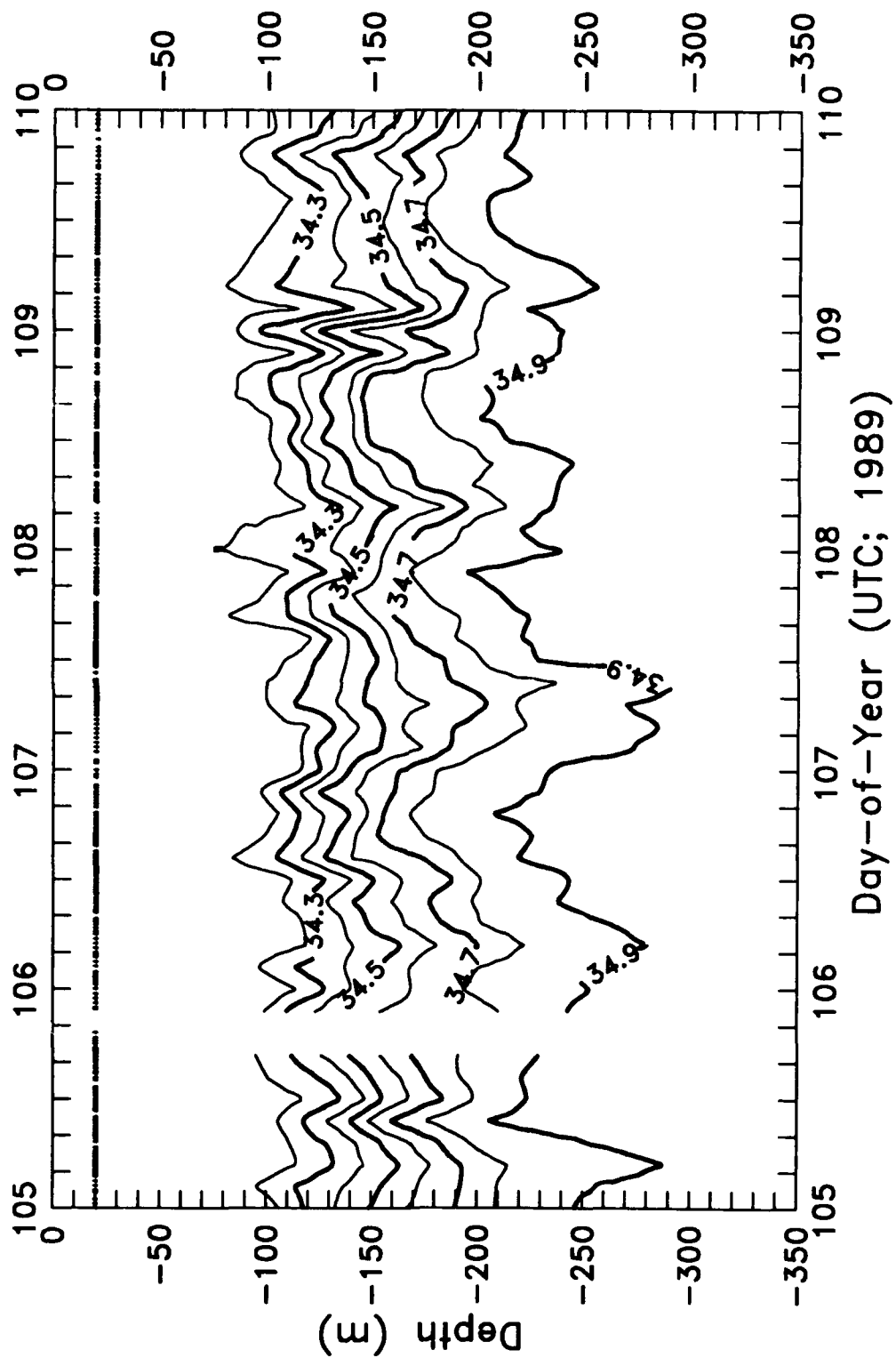


Salinity (CEAREX)

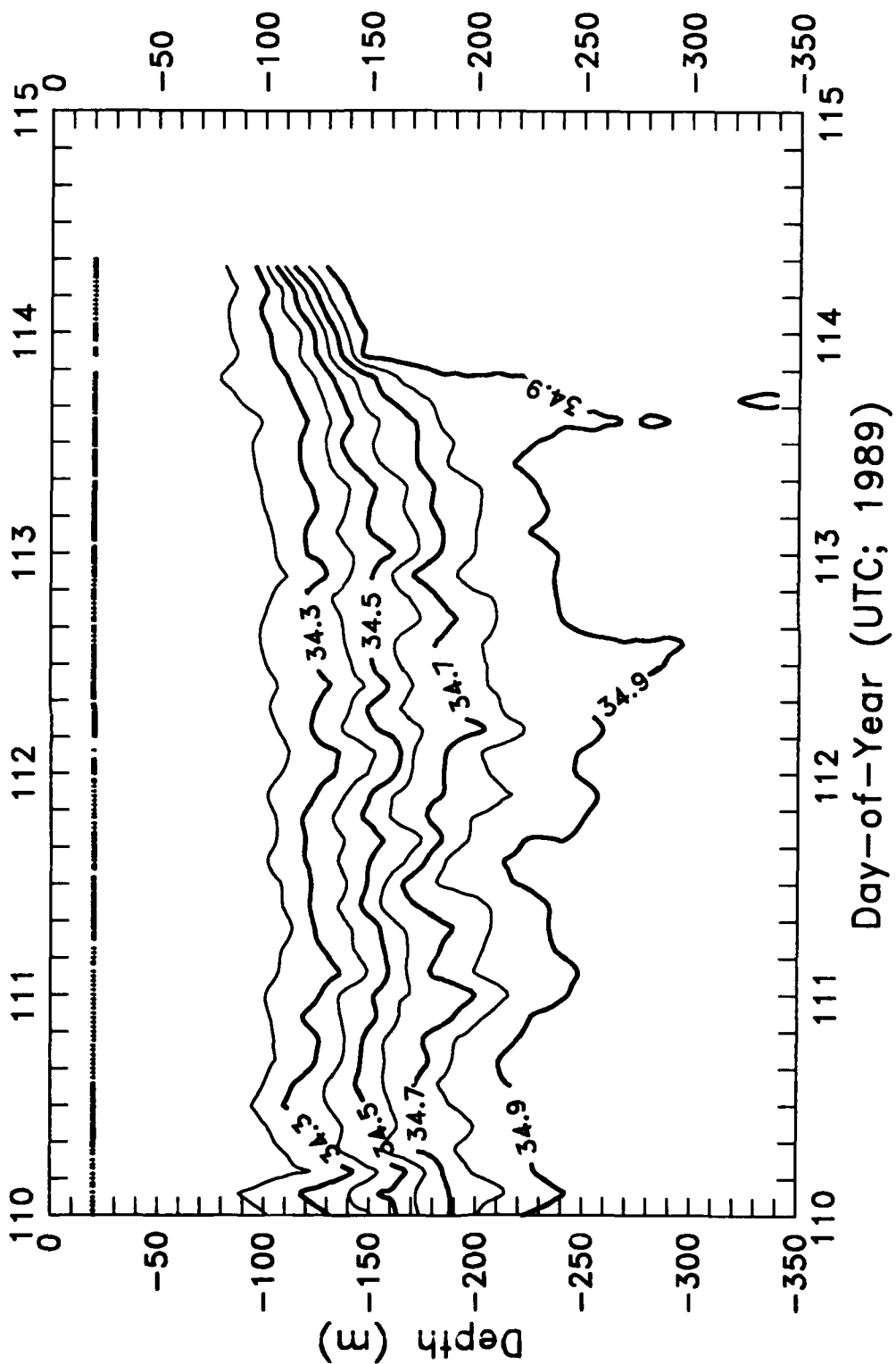




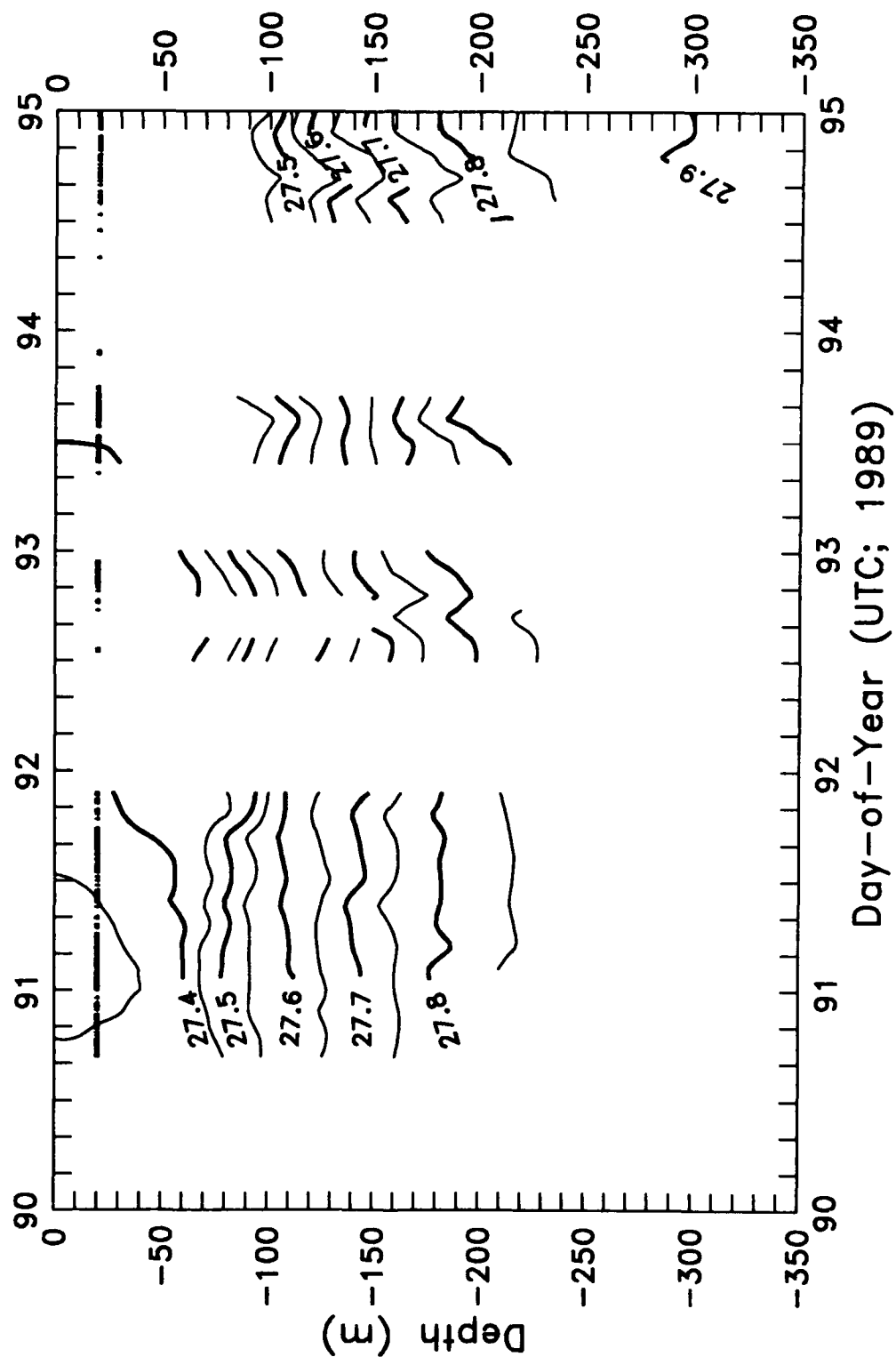
Salinity (CEAREX)



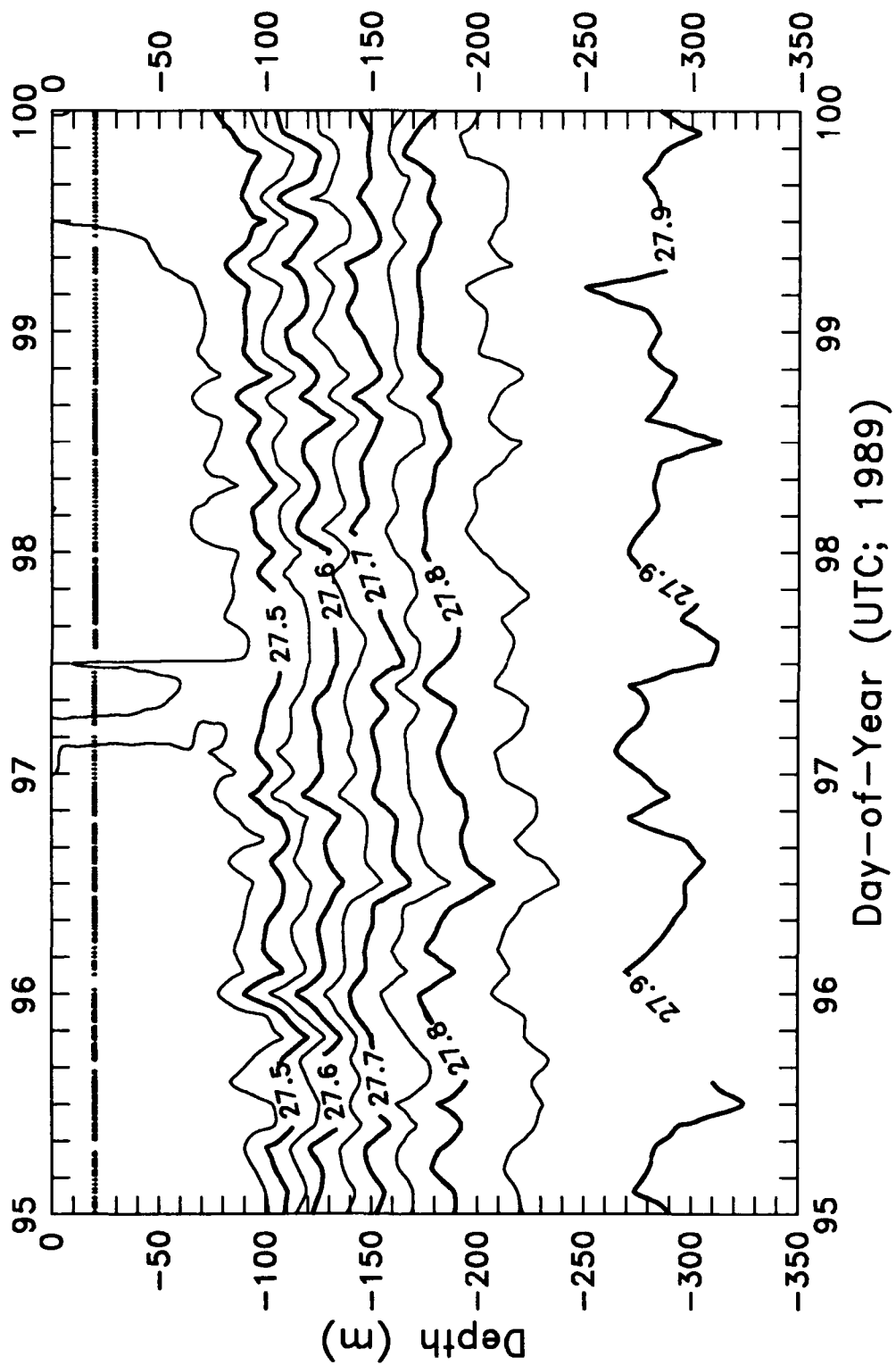
Salinity (CEAREX)



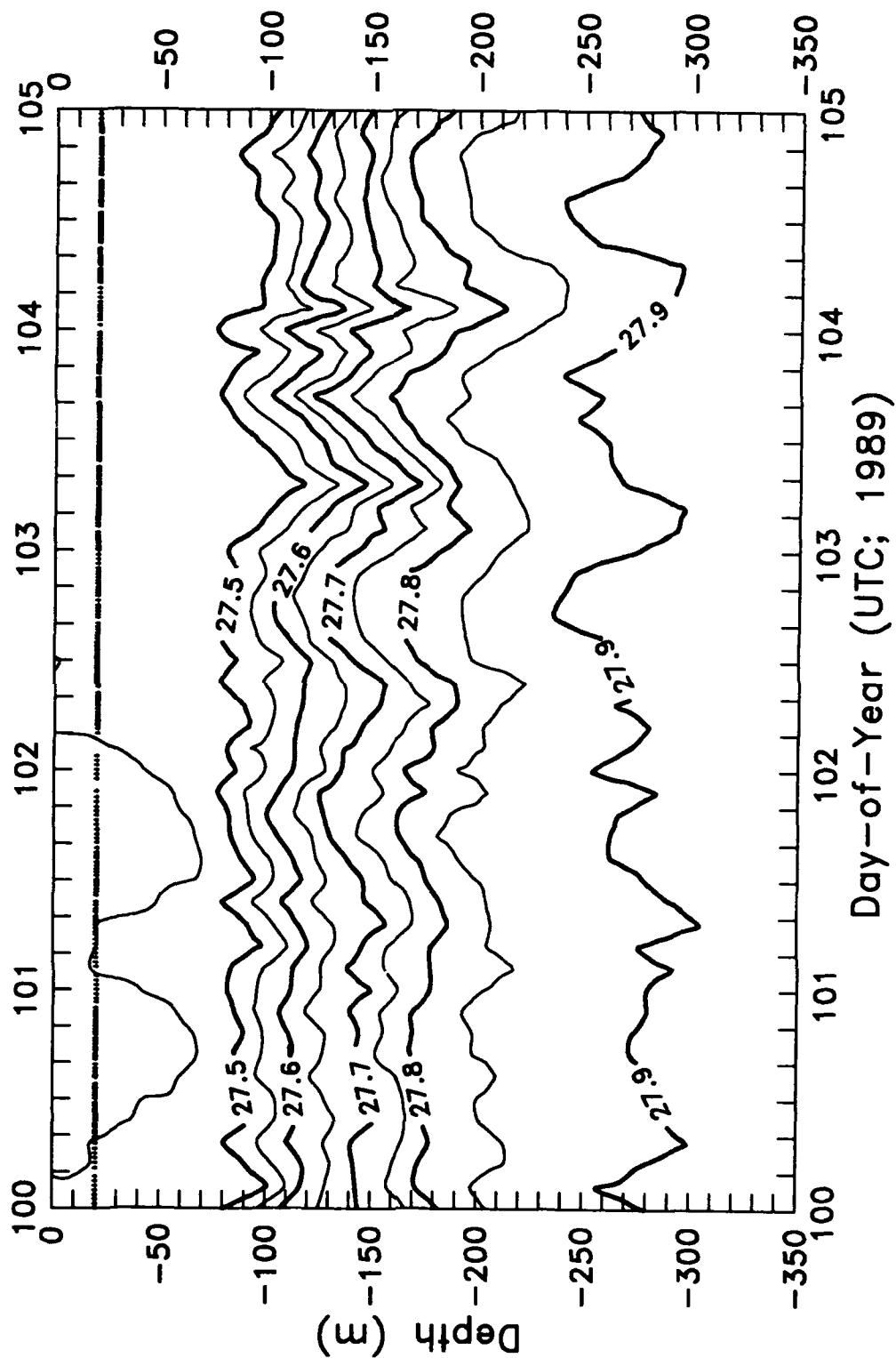
Sigma-t (CEAREX)



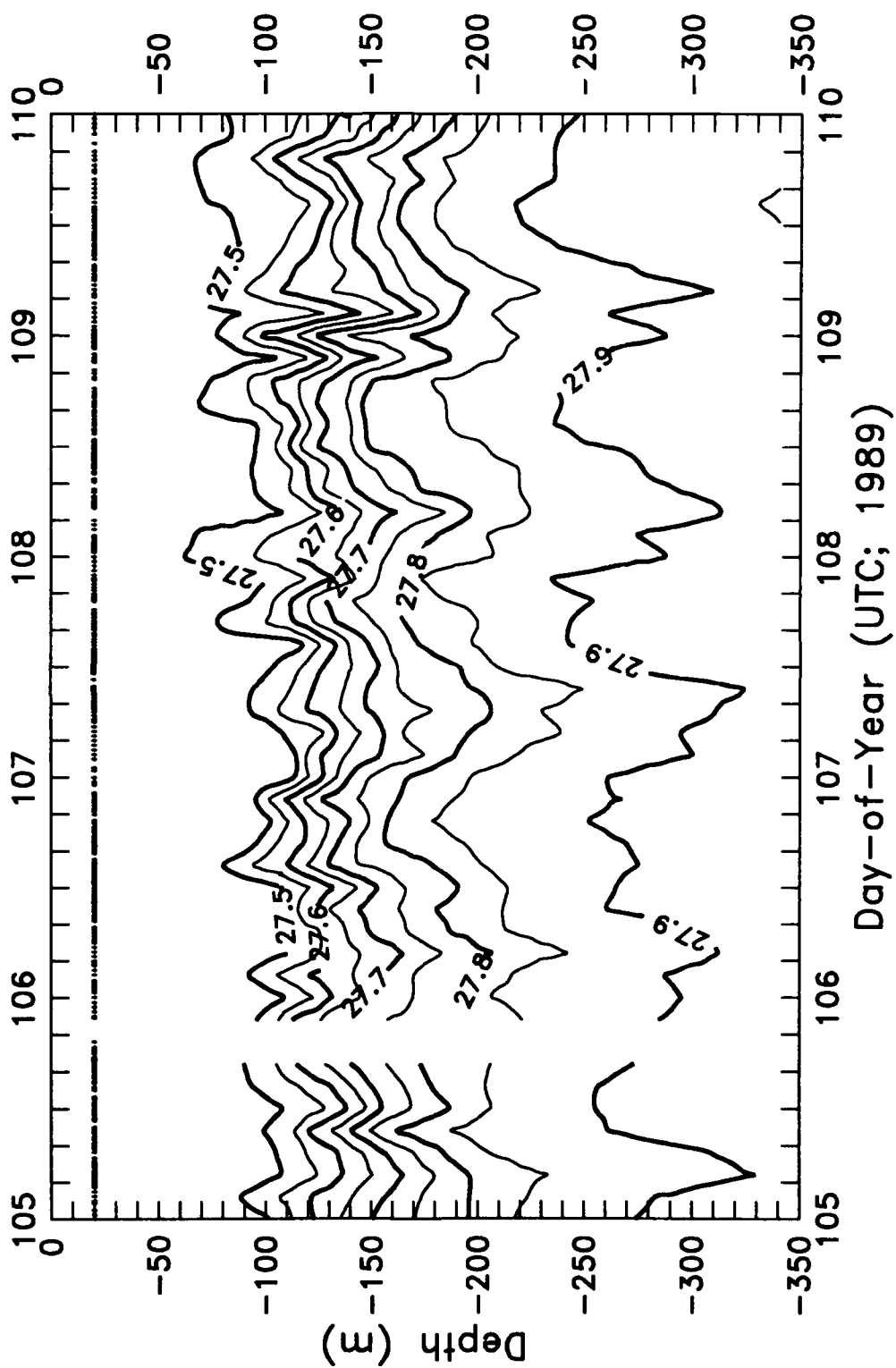
Sigma-t (CEAREX)



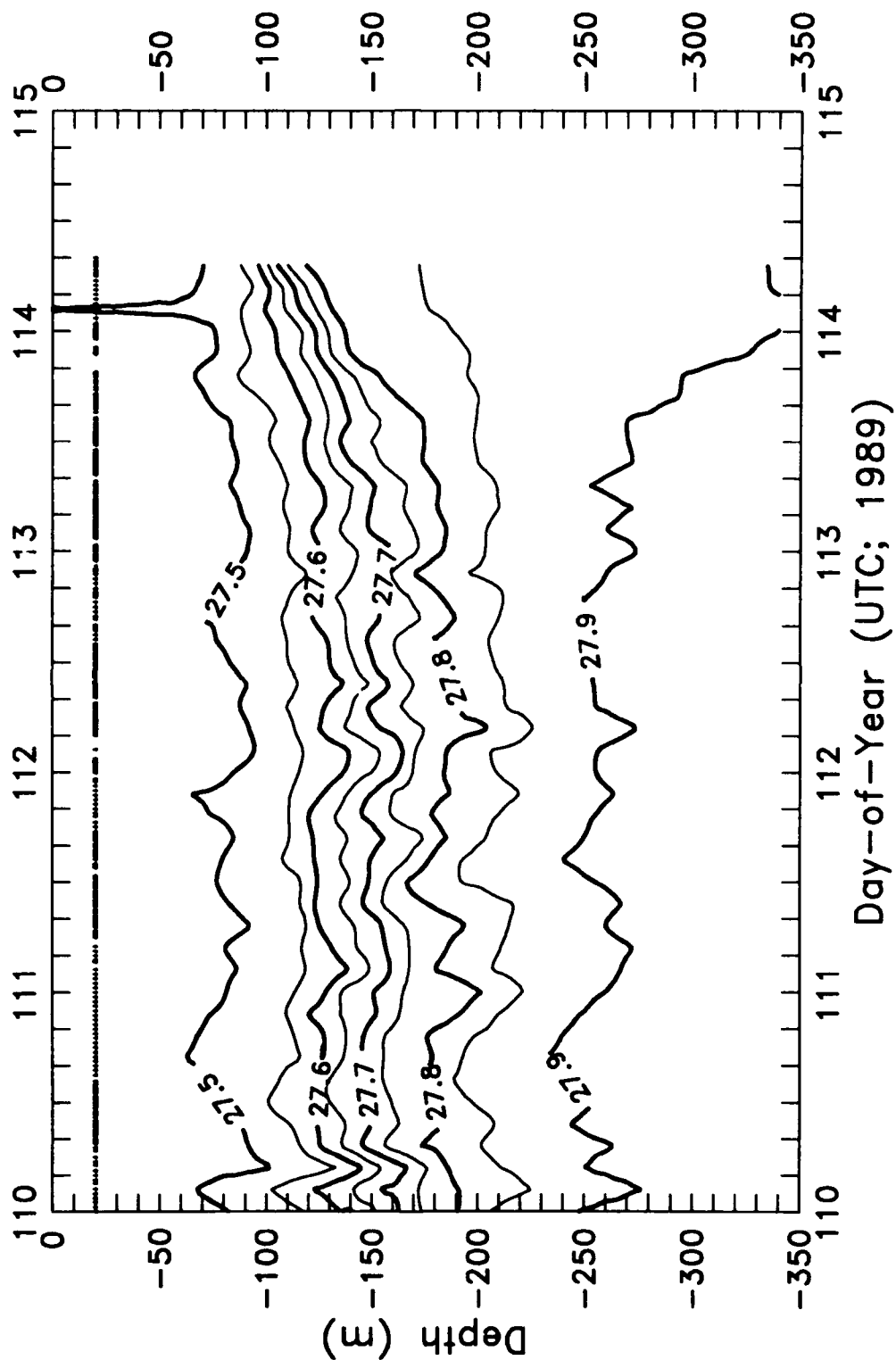
Sigma-t (CEAREX)

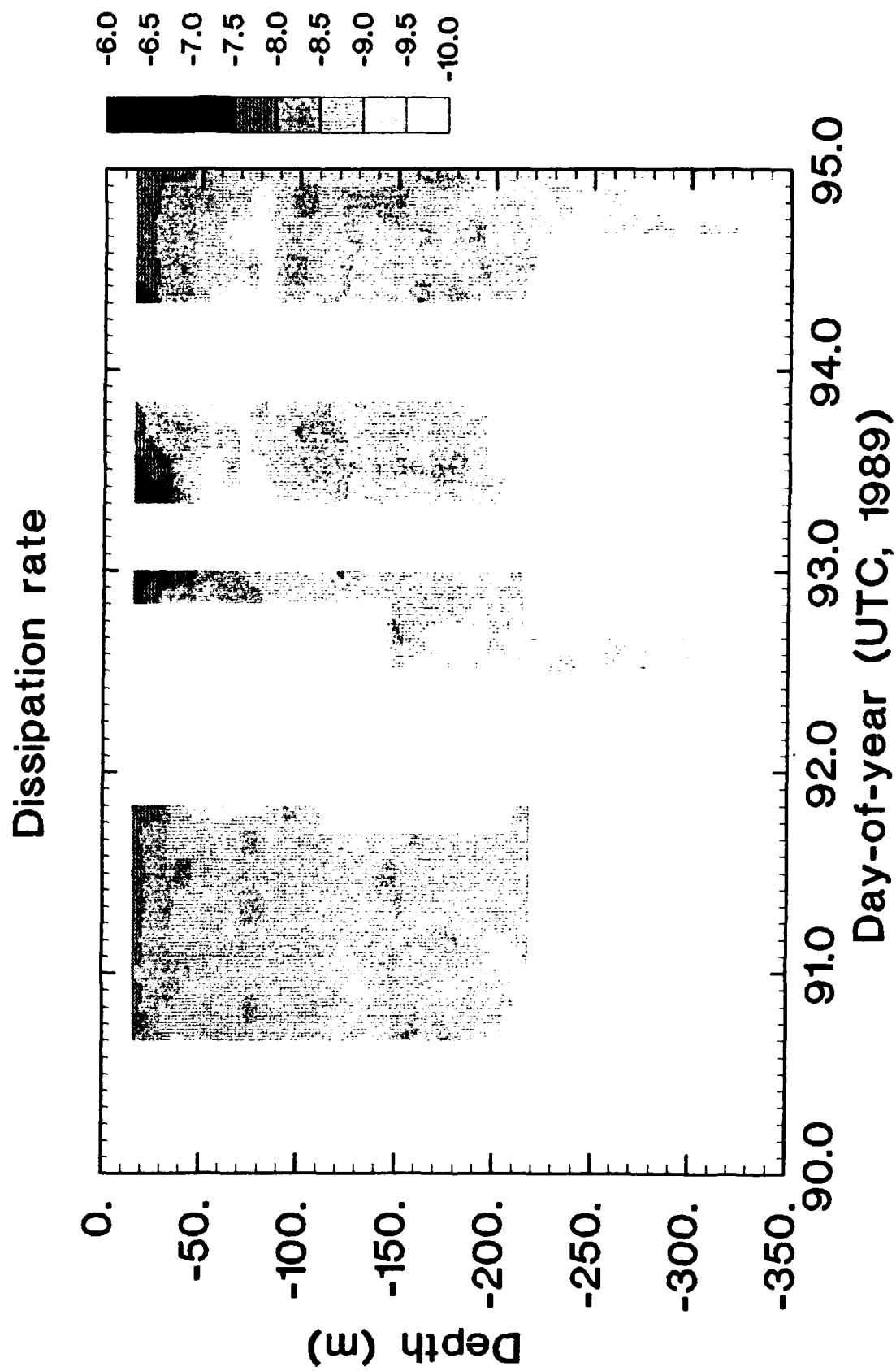


Sigma-t (CEAREX)

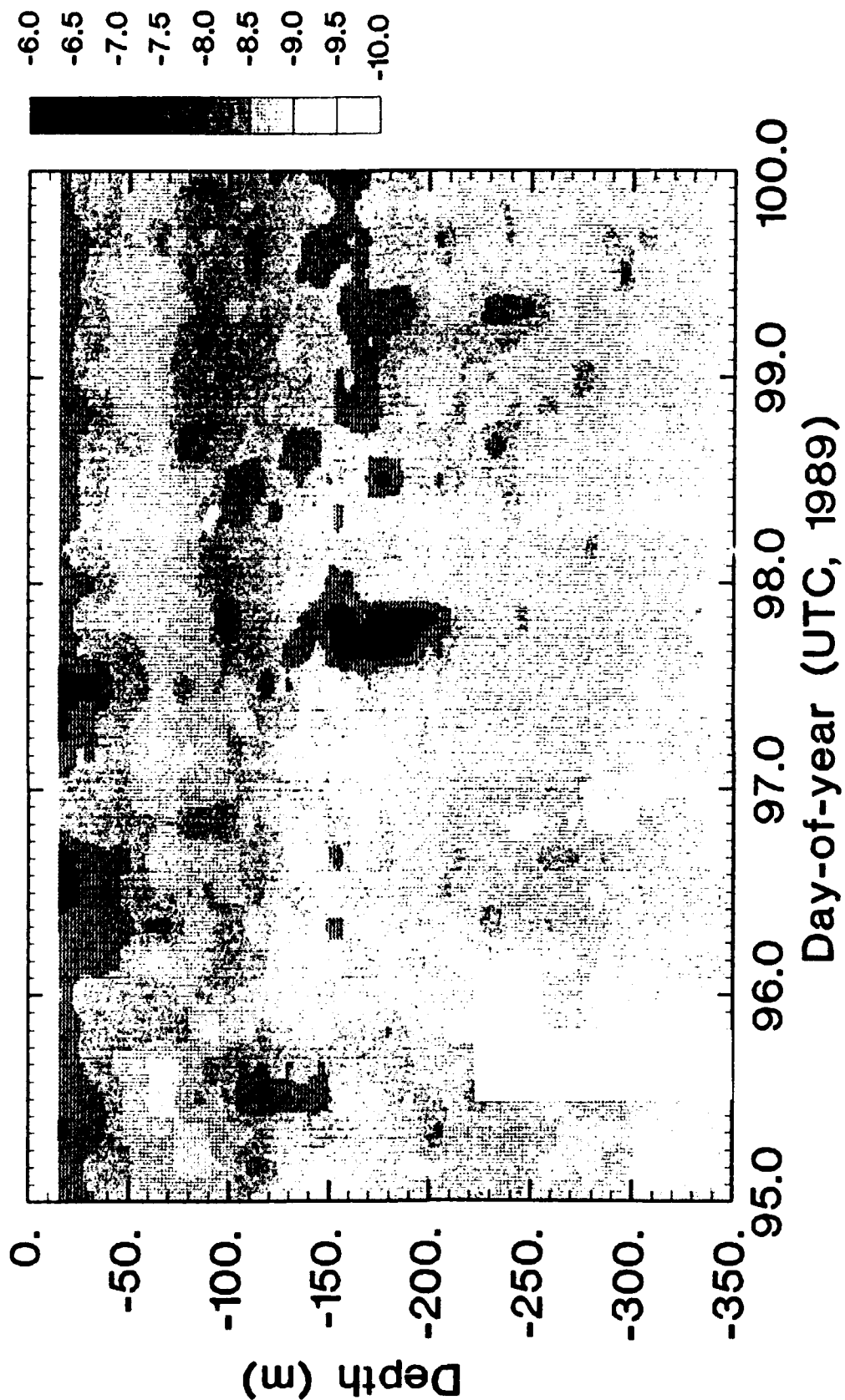


Sigma-t (CEAREX)

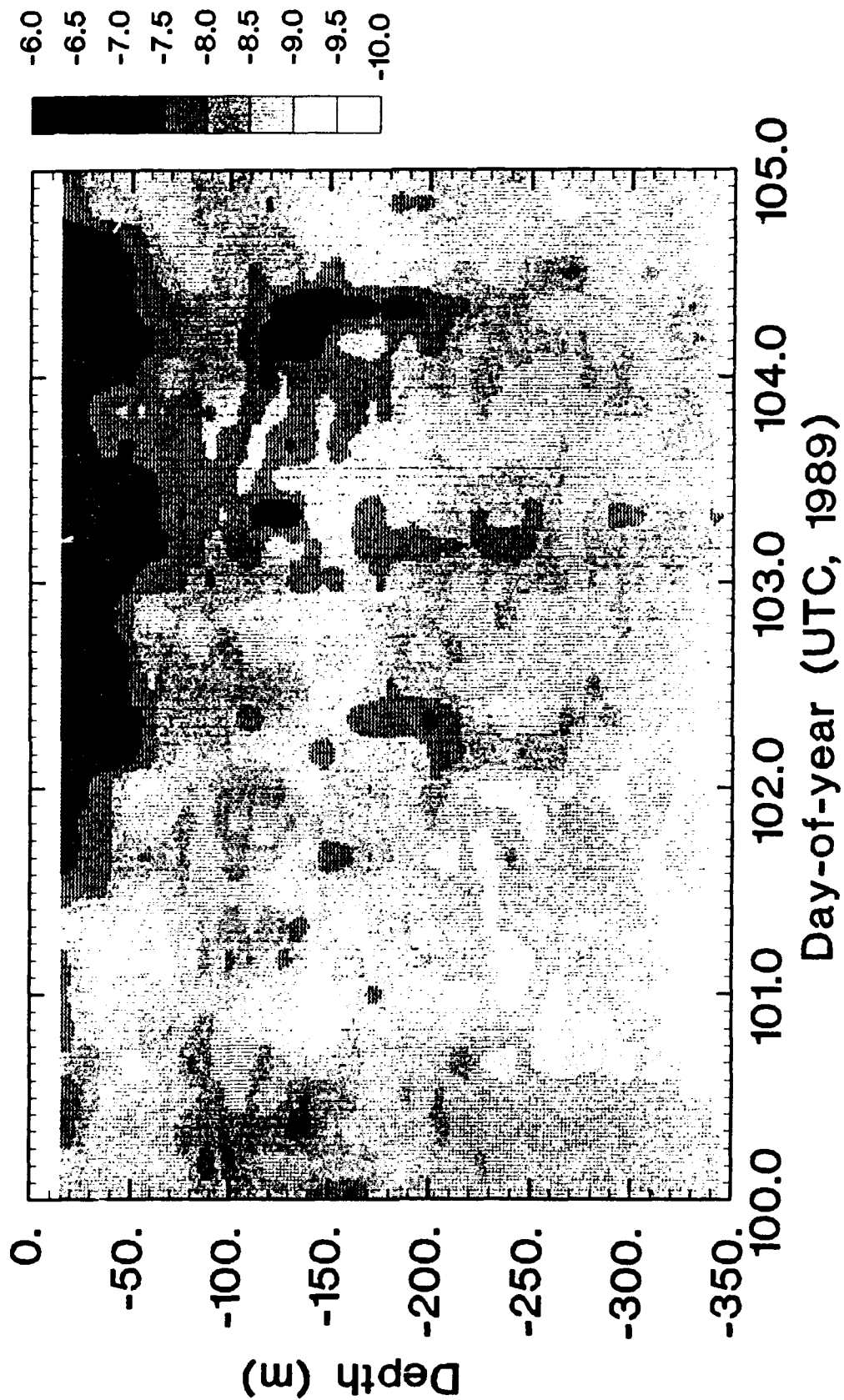




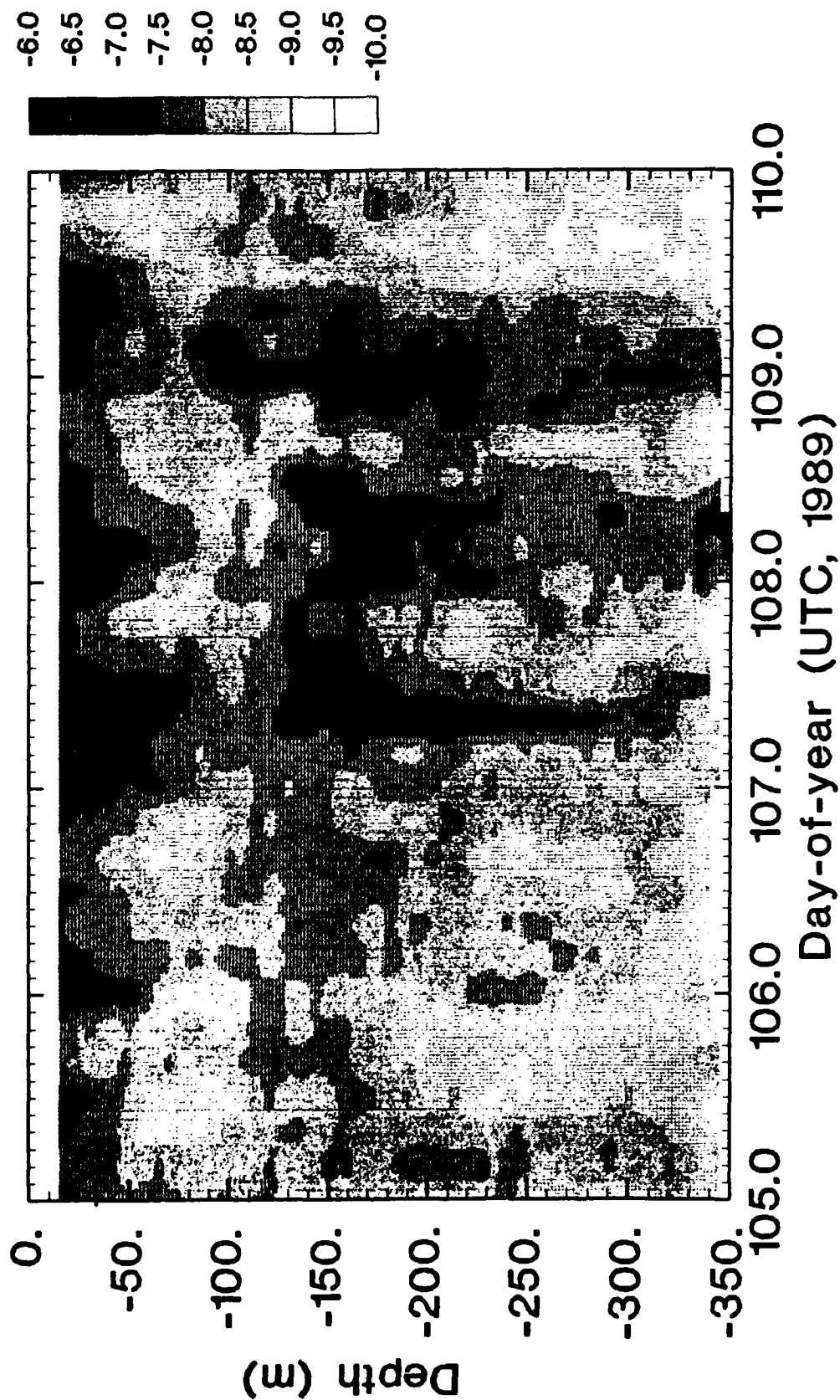
Dissipation rate



Dissipation rate



Dissipation rate



Dissipation rate

